

USB Driver Installation Guide

 **Matsusada Precision**

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1. Introduction

Thank you very much for purchasing USB Option.

Although we have made all possible efforts to produce a very accurate manual, if you find any mistakes, please contact our customer support. The contents of this manual may be changed without notice. No liability can be accepted for any errors.

1-1 About USB Driver Installation Guide

For the contents of this installation guide, alteration is reserved without notice due to a specifications change of the product and other circumstances.

The copy right of this instruction manual belongs to Matsusada Precision Inc. It is prohibited by the copyright law to copy a part or all of the contents of the installation guide without obtaining the consent of the rightful person; provided that this provision is not applicable when only one sheet is copied for a personal use other than commercial transactions.

You are requested to understand that we are not responsible for any operation results based on the contents of this installation guide.

Windows, etc... are Microsoft Corporation's registered trademarks or trademarks in USA and other countries.

1-2 About device drivers

USB Devices by Matsusada Precision Inc. use the device driver made by FTDI Inc.

This driver version is **“2.8.28.0”**.

There are following two models of device drivers for attaching to our products.

- Directly control USB interface: **[Direct version]**
- Use as serial port (COM port): **[Virtual COM port version]**

In the following case, you should use [Virtual COM port version].

- To control the USB devices by COM port
- To use PSS, PSS2(Power Supply Sequence Software) and ECD-BC(Charge and Discharge Remote Control Software) made by Matsusada Precision Inc.

In the other case, it is recommended to use [Direct version].

(Sample program is described some examples e of how device driver of direct version is used.)

1-2-1 Corresponded OS

This device driver is checked operation under the following OS.

- Windows 10 (32 / 64 bit)^(*)
- Windows 8 (32 / 64 bit)^(*)
- Windows 8.1 (32 / 64 bit)
- Windows 7 (32 / 64 bit)
- Windows Vista (32 / 64 bit)
- Windows XP (32 / 64 bit)^(**)

(*) It does not officially get certified with Windows 10 and 8.1 by Microsoft Inc, but it was confirmed the operation at Matsusada Precision Inc.

(**) Operation on Windows XP has been confirmed by us.

But we preclude any possibility of support for operation on Windows XP, as Support for it by Microsoft is terminated.

1-2-2 Use Permission Clauses

You are requested to agree with the following clauses on using the software prepared by Matsusada Precision Inc. (hereinafter referred to as [A]). If you cannot agree with them, you are requested to delete this software from your PC at once.

1. This contract becomes effective when you have started using this product.
2. [A] and the present right holders possess the copyright of this software.
3. You can use this software only for the purpose of executing your business by yourself.
4. You cannot copy, modify, or quote this software and its attached documents without [A]'s written consent.
5. [A] is not responsible for any influences of the results of using this software by you. Even if any damage should have happened to you due to the use of this software, you shall not be able to demand any reparation for it to [A].
6. If you have infringed these clauses or if there is such a serious reason as this contract cannot be continued, [A] can cancel this consent of use at once.
7. [A] can change all specifications of the software without any previous notice. [A] will not give any guarantee about the software.

1-2-3 Exemption Clause

We are not responsible at all for any trouble or damage, even if such a trouble or damage should have happened about your PC, peripheral units, and/or data. You are requested to understand this clause before using the software.

2. Install

This chapter has been described on the assumption that it is operated in a generic environment as much as possible. However, there is a possibility that does not meet your environment. Please acknowledge.

Only install this driver, you will not be able to control Matsusada Precision USB Devices. In an environment to install this driver, you need to develop an application program to control Matsusada Precision USB Devices or use Matsusada Precision original software (PSS, PSS2, ECD-BC, etc...).

Refer to [3 Sample Program], when you develop an application program.

Contact our company's sales representative about Matsusada Precision original software.

2-1 Connection to USB controller

Connect Matsusada Precision USB Devices to PC with USB cable. (When the power of Matsusada Precision USB Devices is off)

2-2 Driver Installation Guide (Windows 10)

On Windows 10, it directly specifies the driver and start install.

Driver can be installed different way which is not described on this guide, but install the driver after confirming guide to use normally.

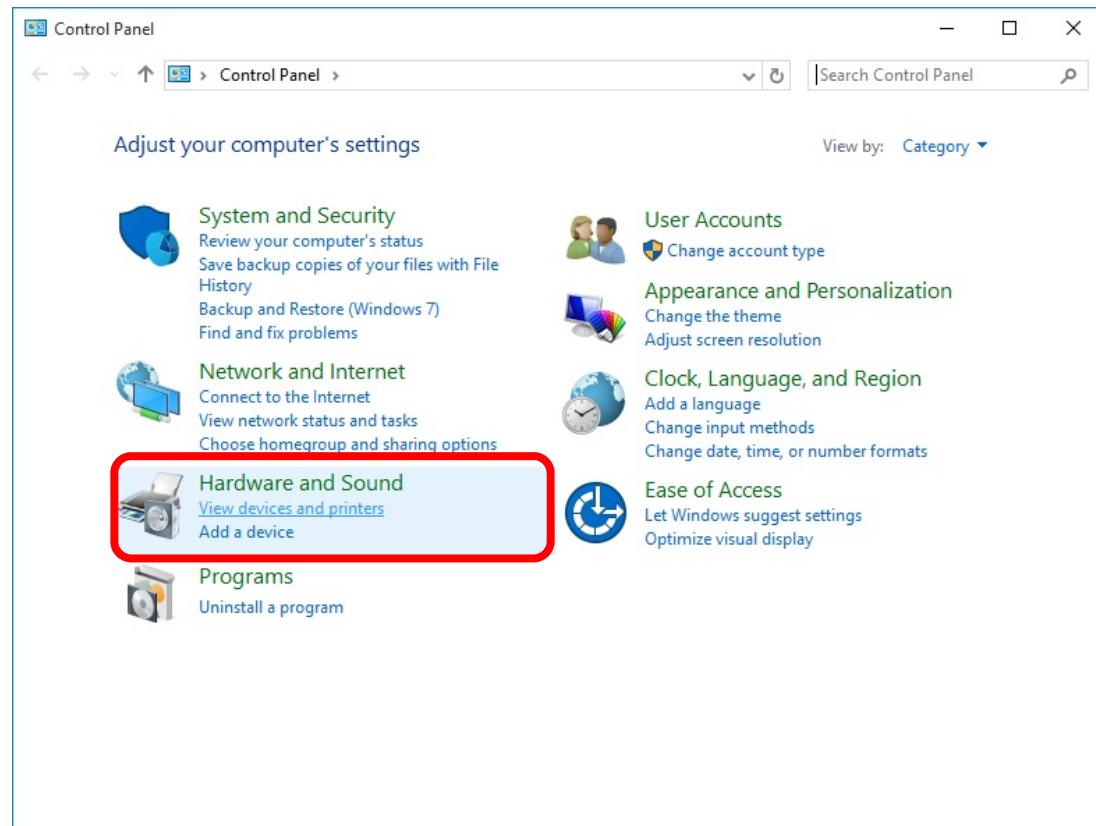
On Windows 10, it doesn't install the device driver automatically when connecting the device.

In the case of connecting the device first time, it needs to install the driver by manual.

(* In the case of installing the driver automatically, check after <Update Driver>.)

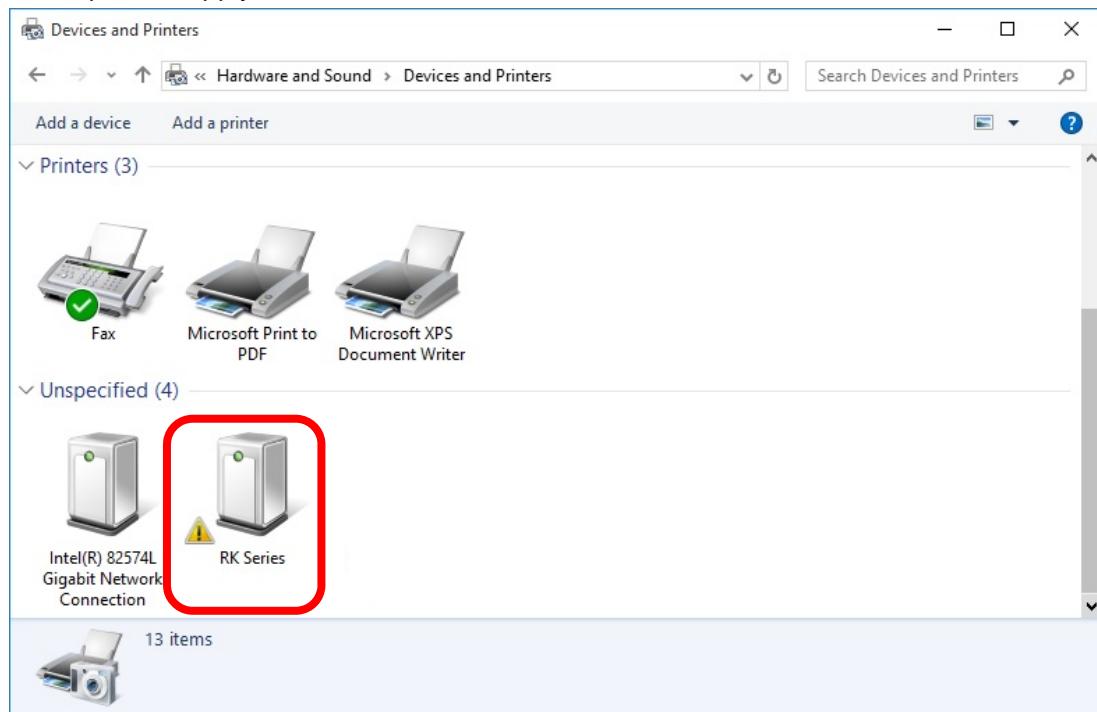
Turn on the power of Matsusada Precision USB Device.

If the power supply is detected as a device on Windows, click <View devices and printers> in <Hardware and Sound> from Control Panel.

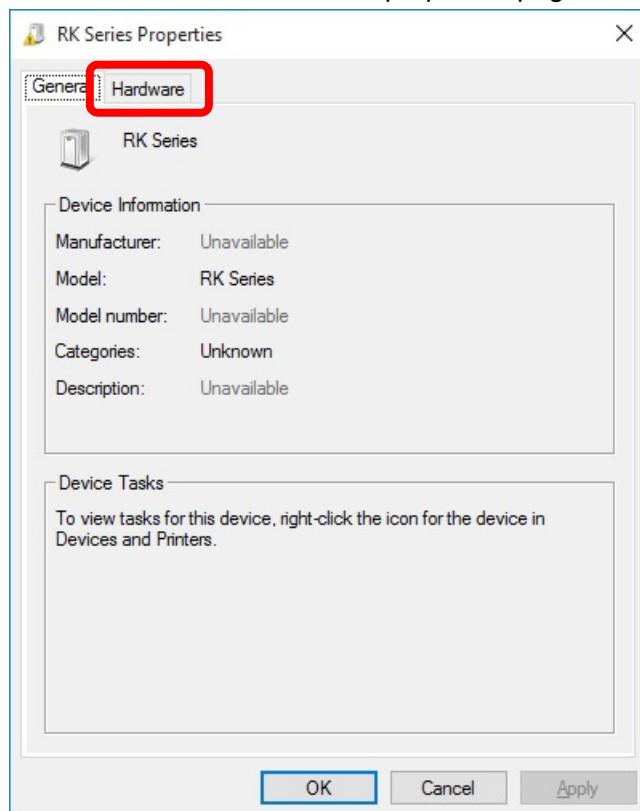


So it detected as "Unspecified", select this power supply, show property page on right click.

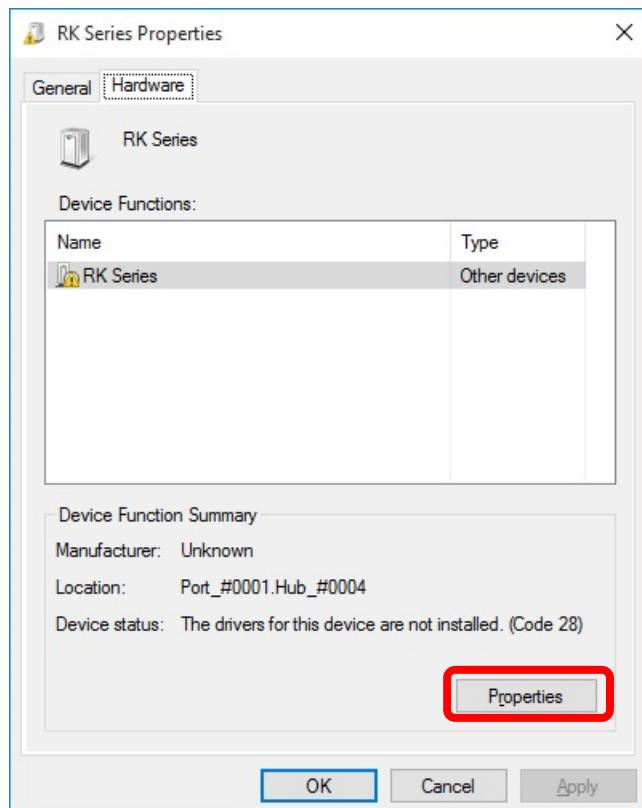
* This power supply is shown as the series name such as CO Series / RK Series ...



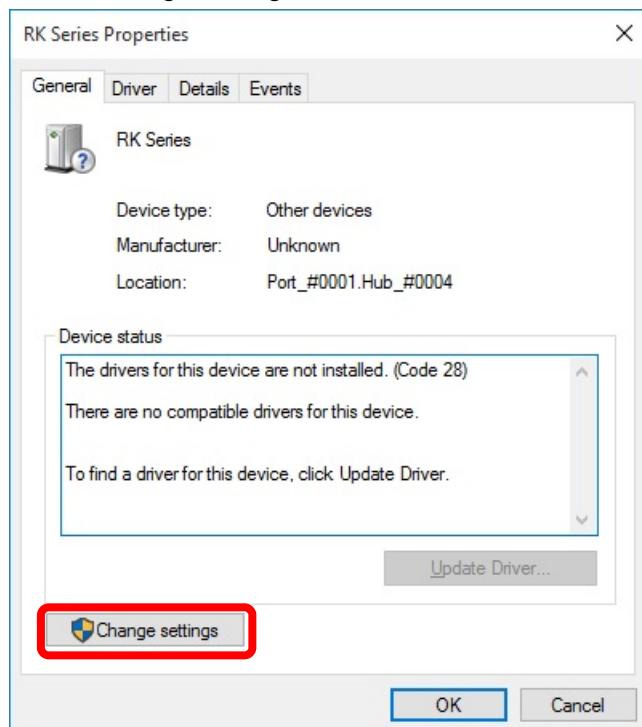
Select <Hardware> on device properties page.



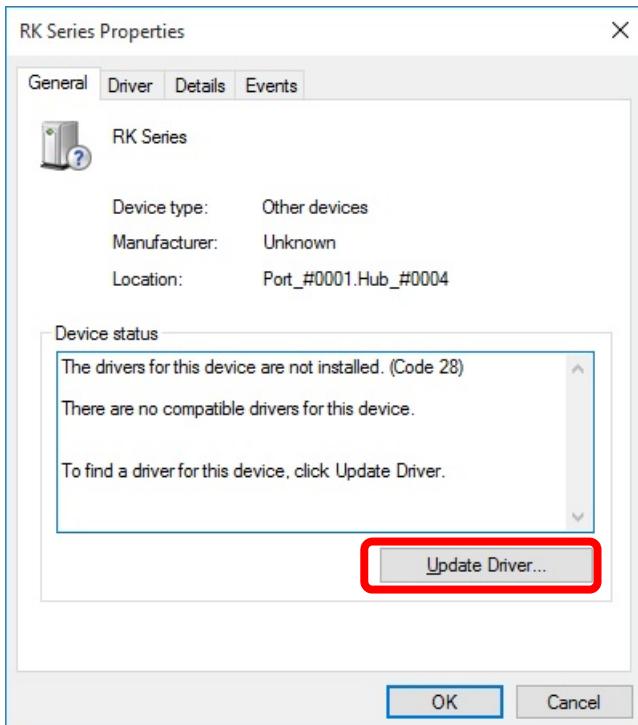
Click <Properties>.



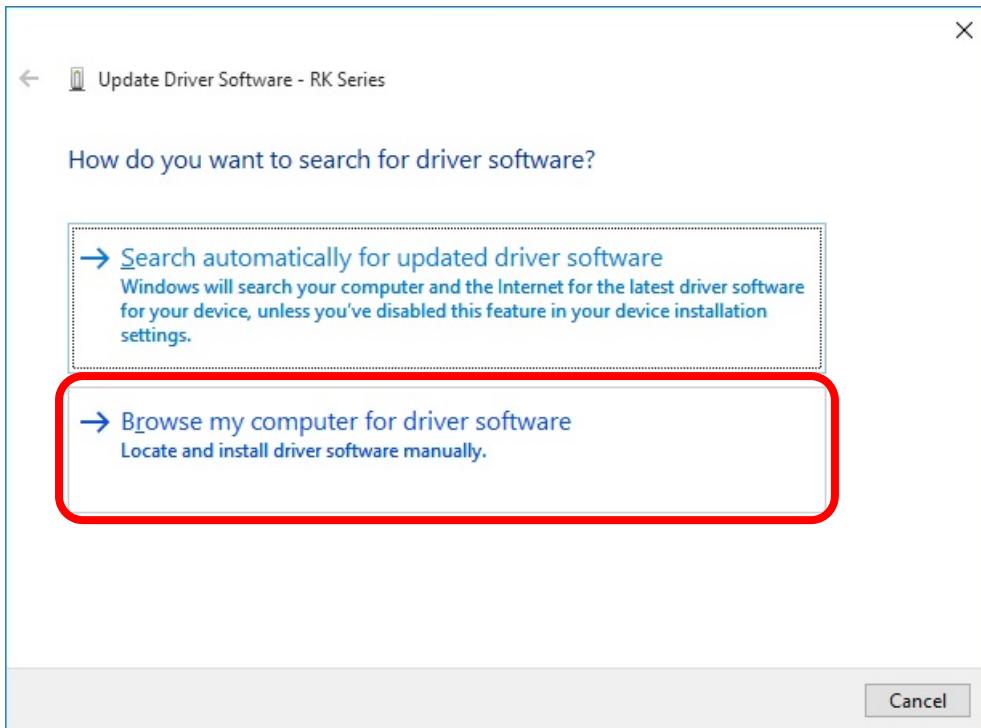
Click <Change setting>.



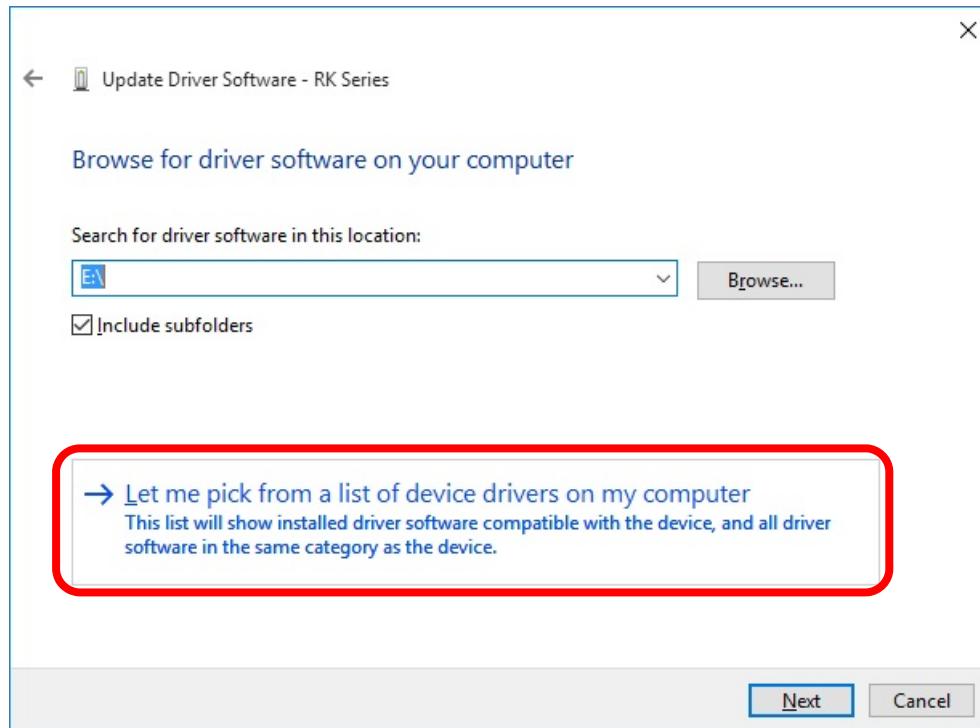
Click <Update Driver>.



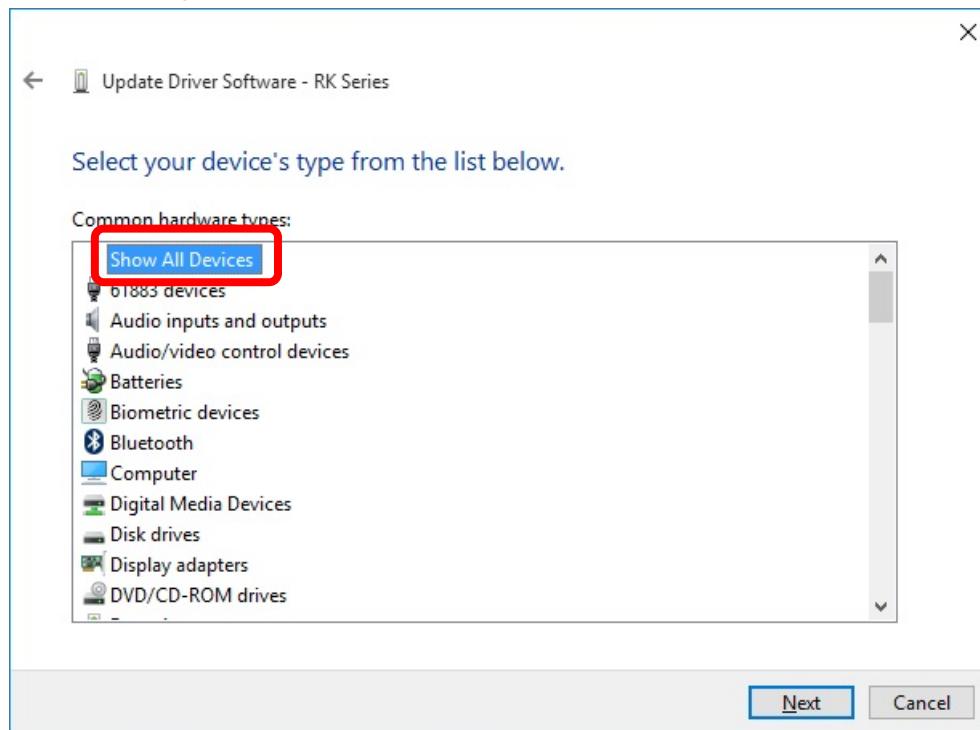
Click <Browse my computer for driver software>.



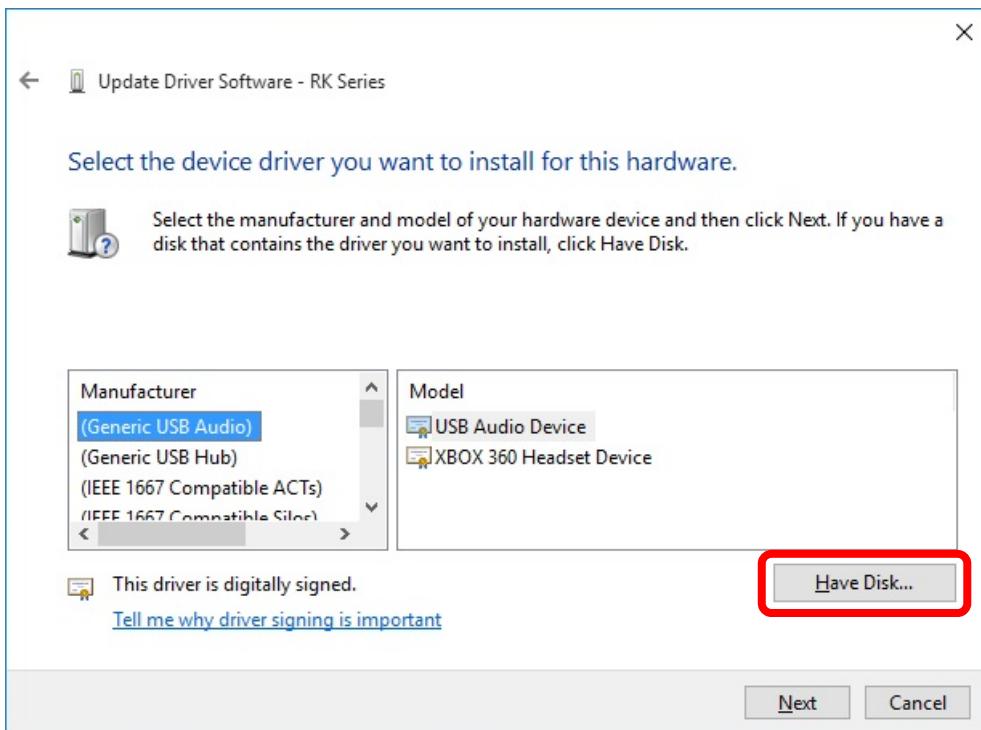
Click <Let me pick from a list of device drivers on my computer>.



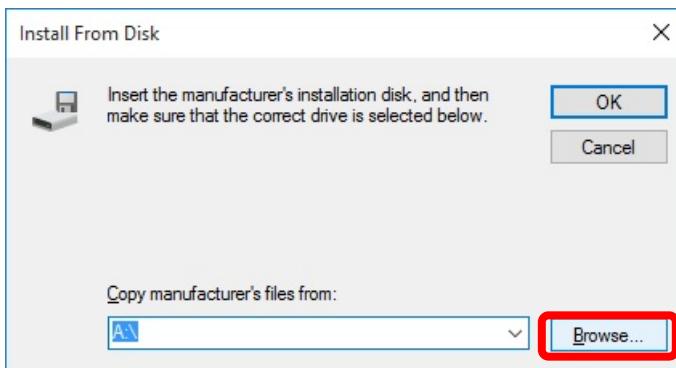
Keep selecting <Show All Devices>, click <Next>.



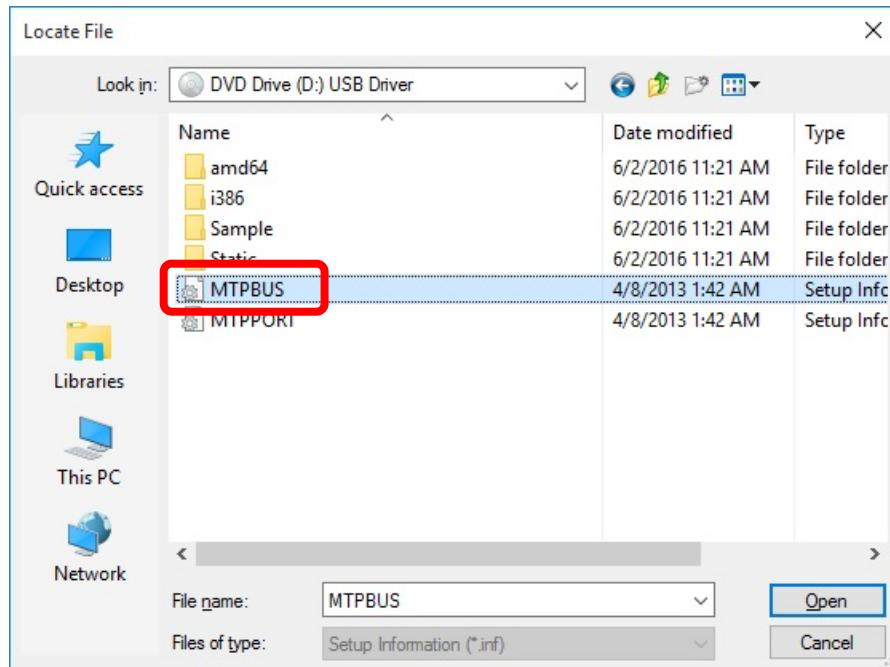
Click <Have Disk>.



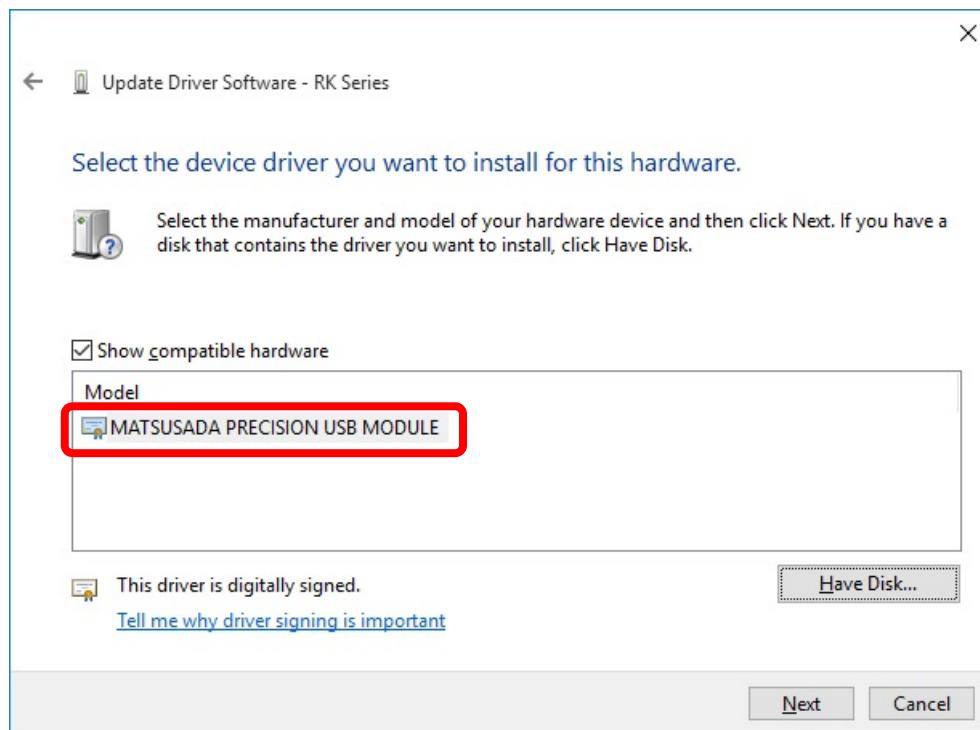
Click <Browse> to browse the CD drive.



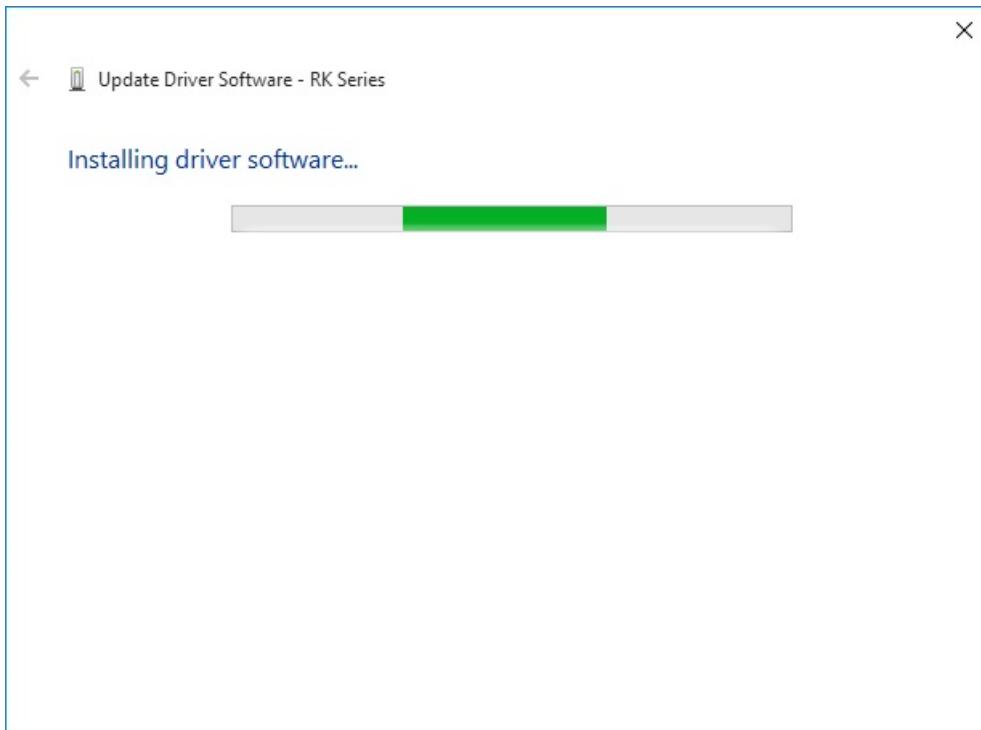
Select [MTPBUS.inf].



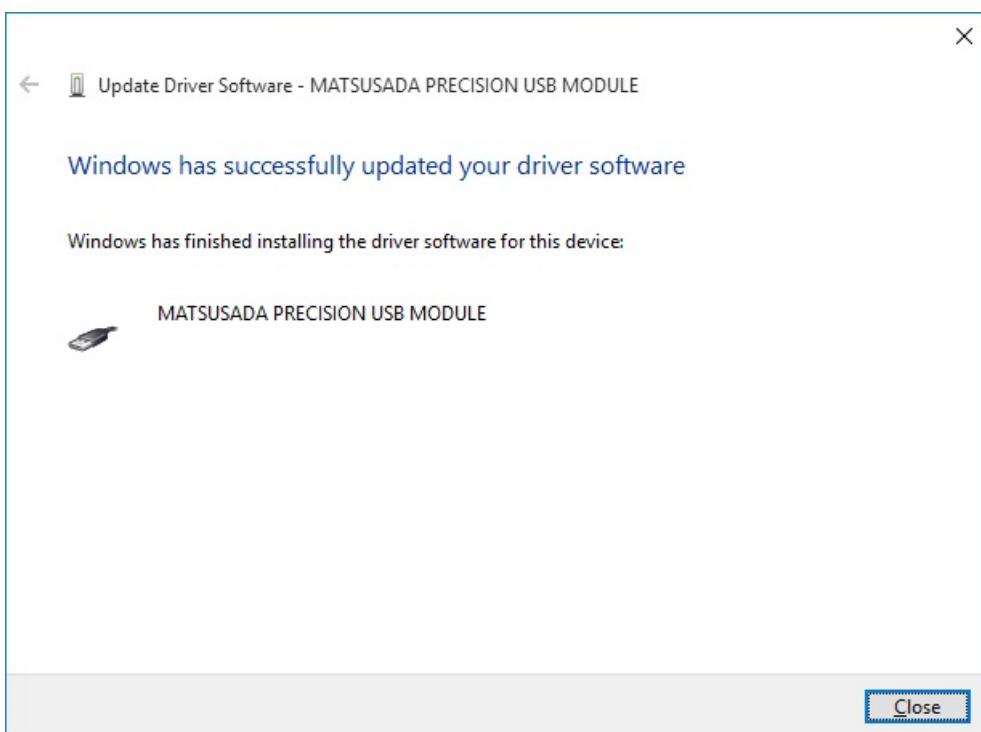
After <MATSUMADA PRECISION USB MODULE> detected, click <Next>.



Installing device driver



When the window shows, installation of direct version of device driver is completing.
Click <Close>.

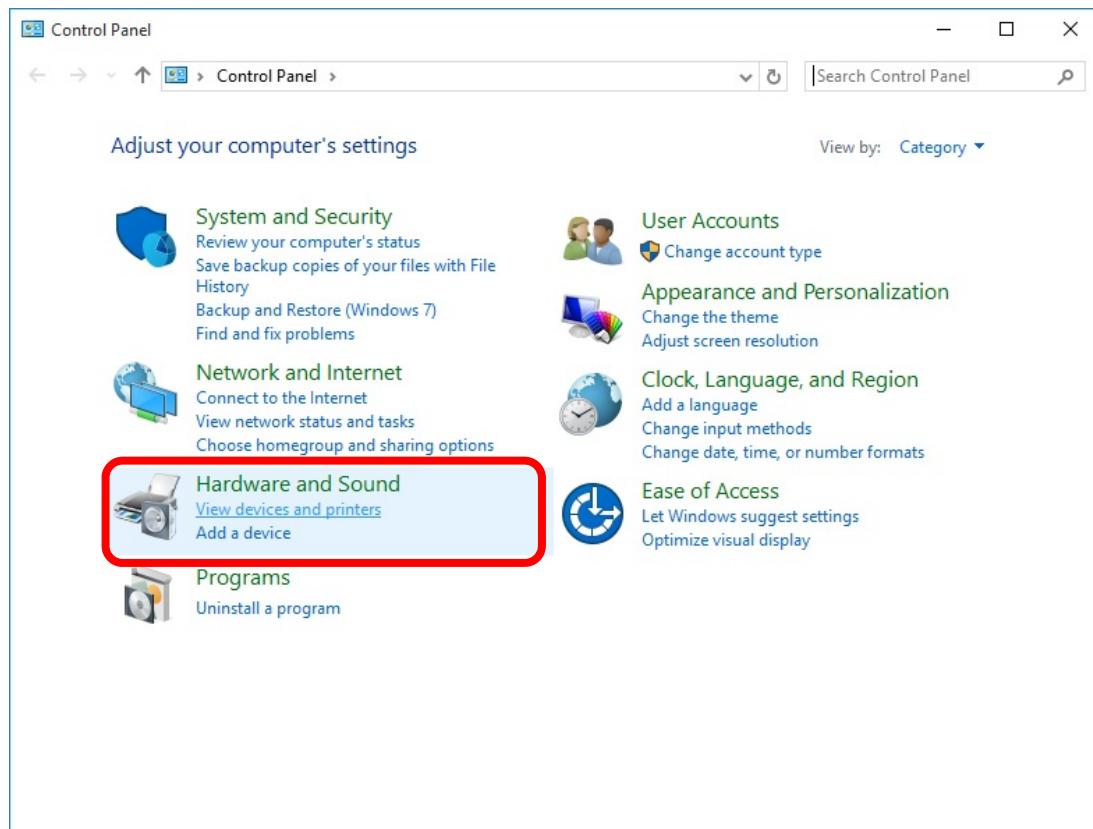


After completing the installation of direct version of device driver, the installation of virtual COM port version of device driver detected.

(* In the case of installing the driver automatically, check after <Update Driver>.)

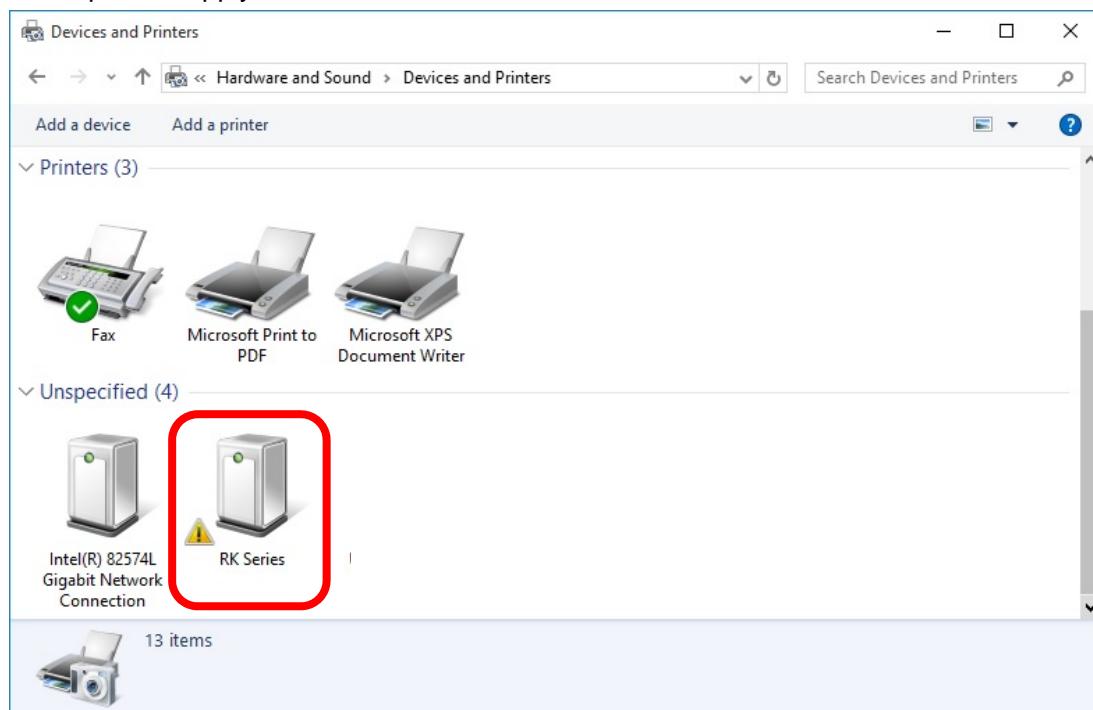
It doesn't install the device driver automatically like a direct version of device driver.
In the case of connecting the device first time, it needs to install the driver by manual.

Click <View devices and printers> in <Hardware and Sound> from Control Panel.

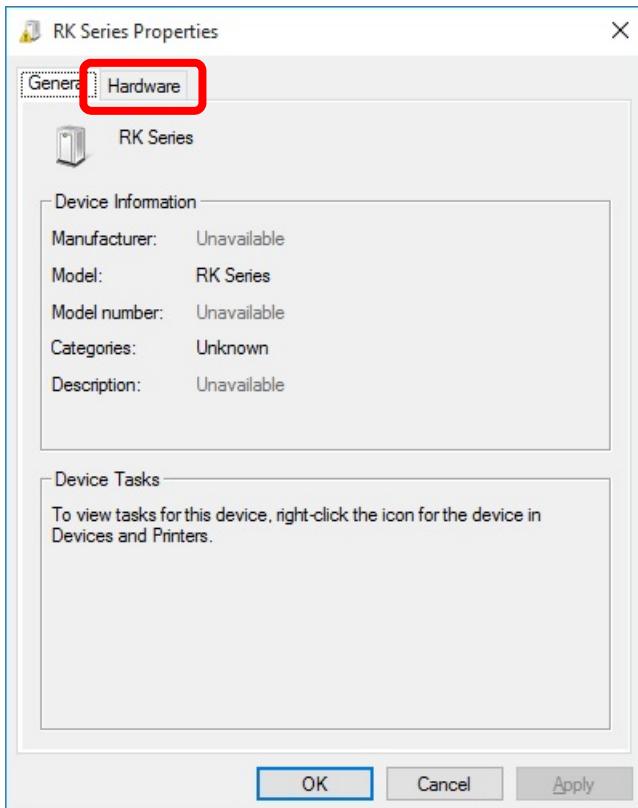


So it detected as "Unspecified", select this power supply, show property page on right click.

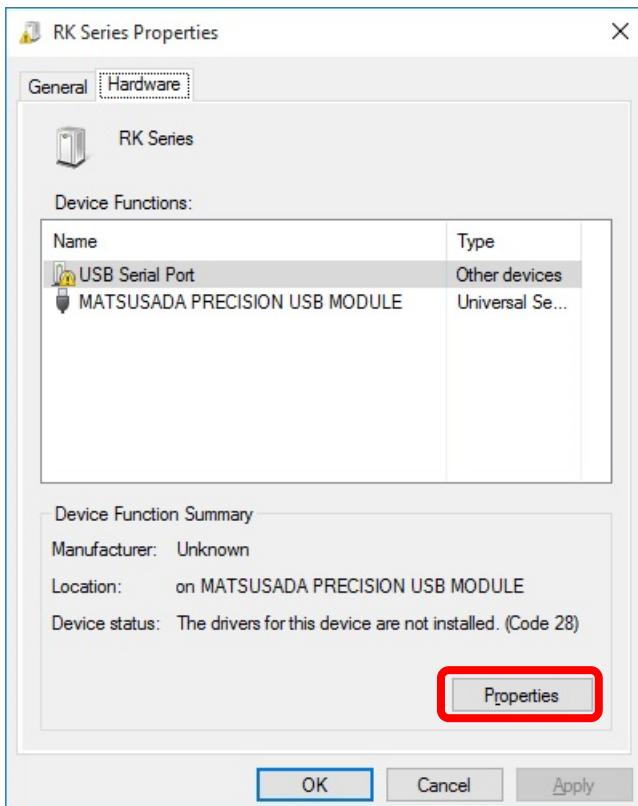
* This power supply is shown as the series name such as CO Series / RK Series ...



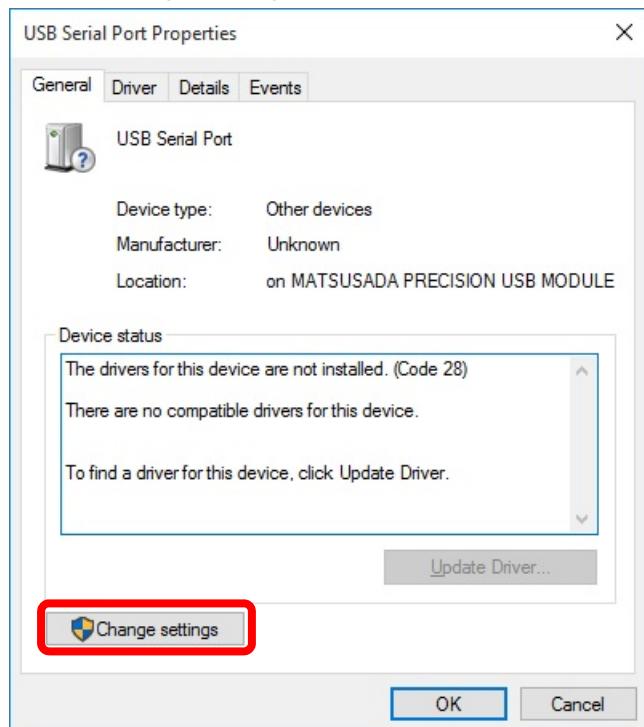
Select <Hardware> on device properties page.



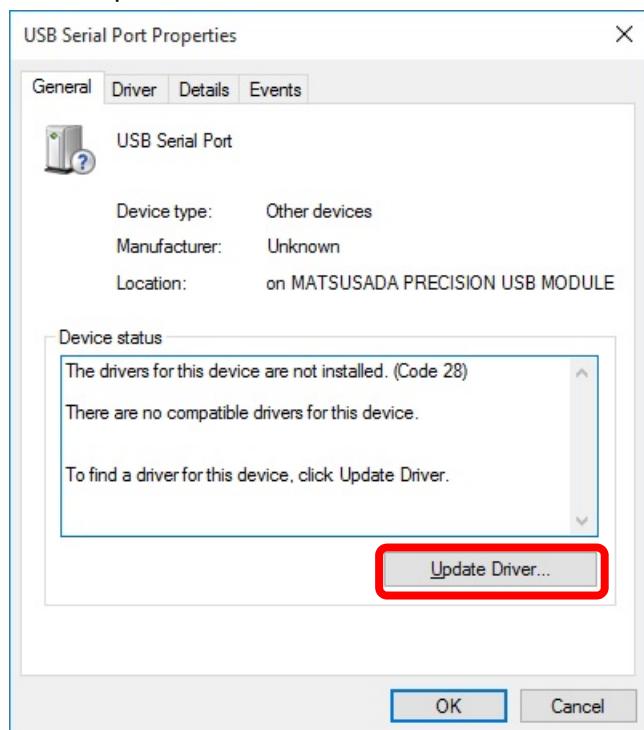
Click <Properties>.



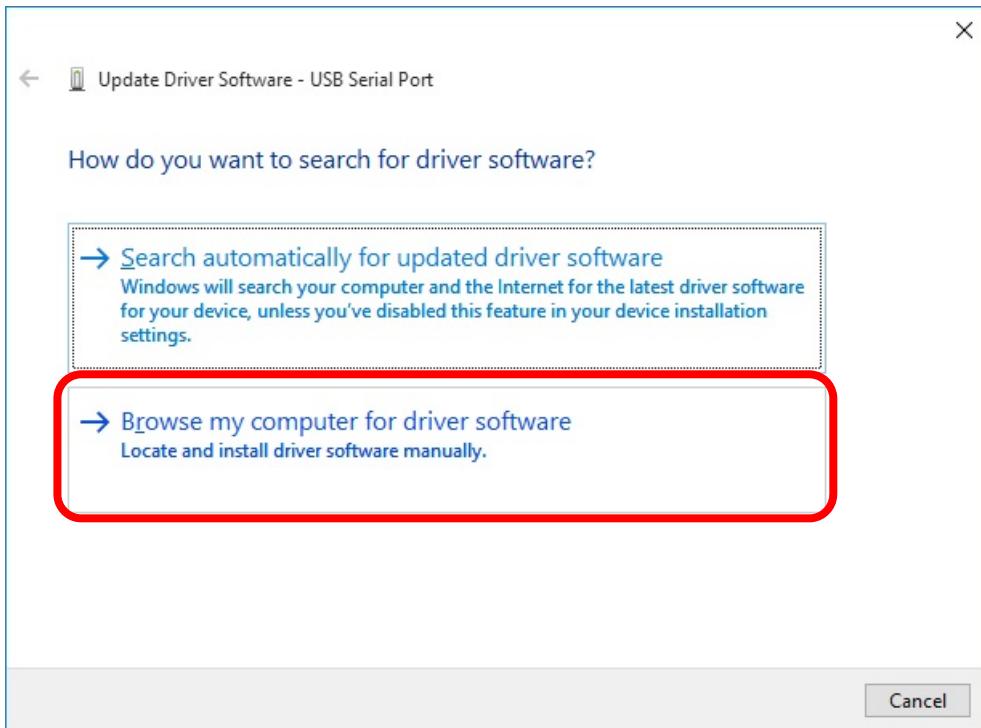
Click <Change setting>.



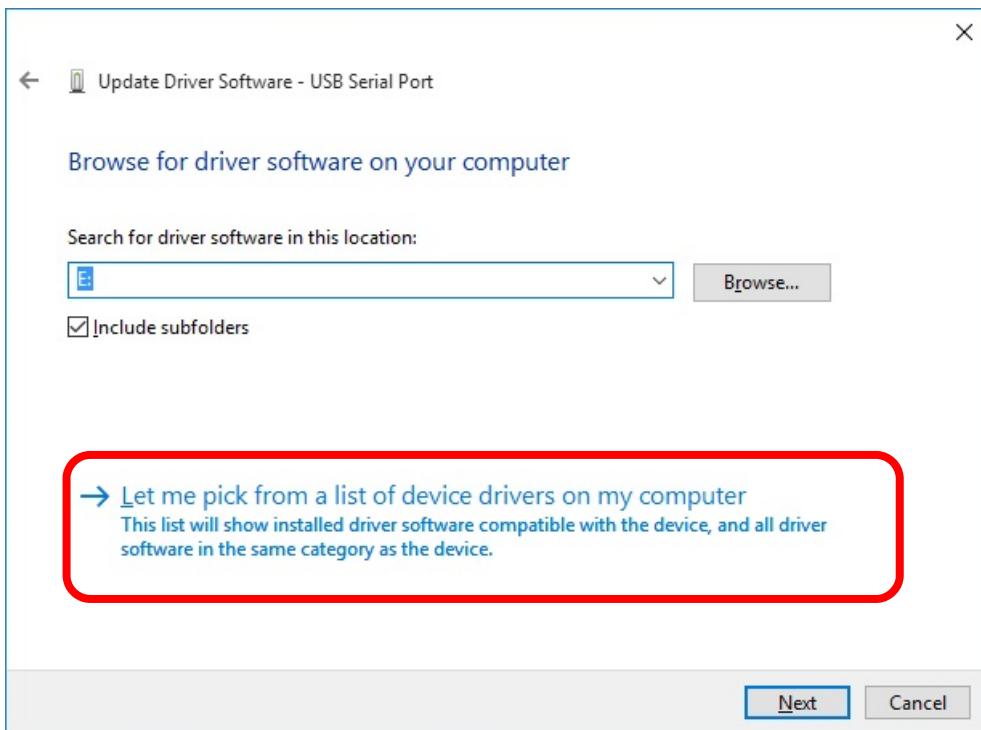
Click <Update Driver>.



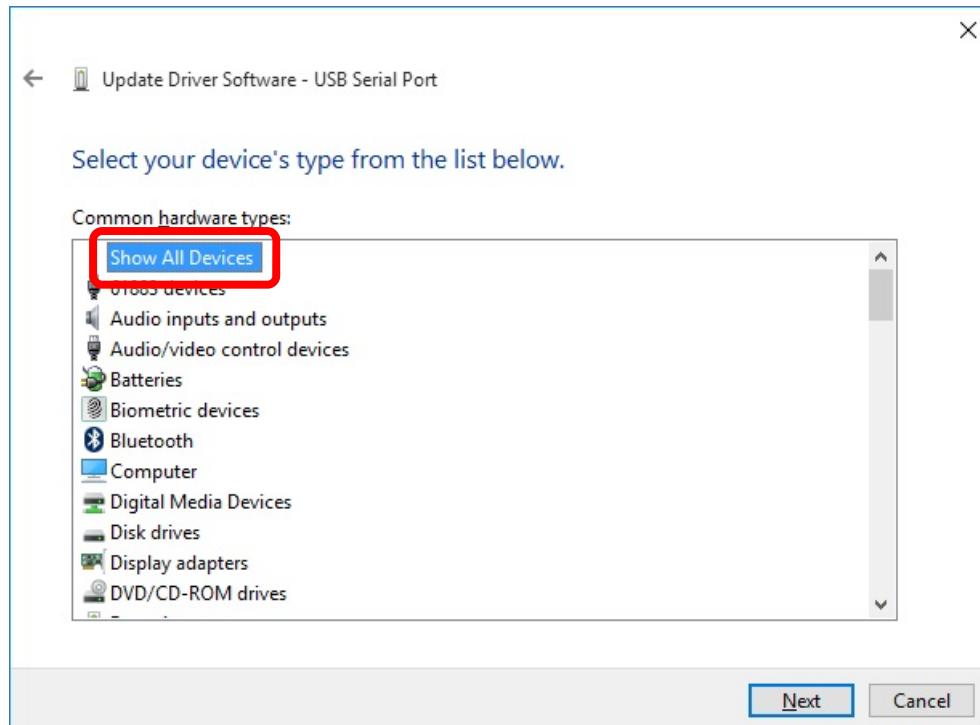
Click <Browse my computer for driver software>.



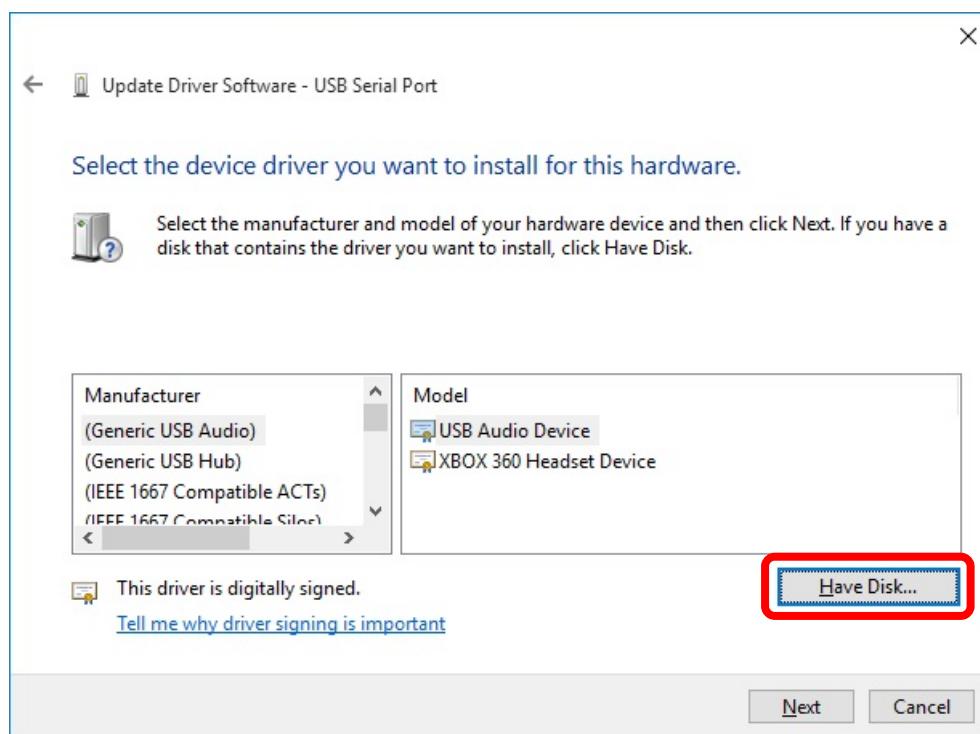
Click <Let me pick from a list of device drivers on my computer>.



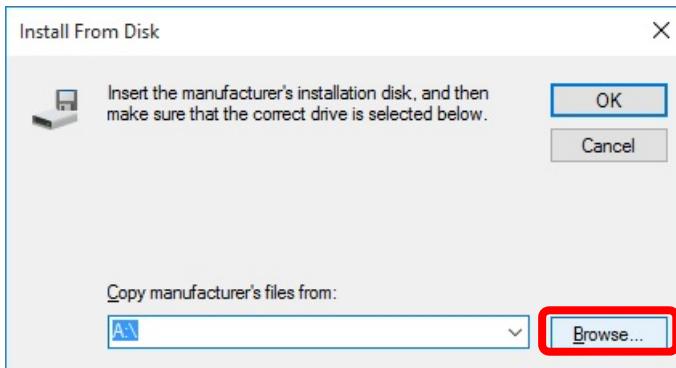
Keep selecting <Show All Devices>, click <Next>.



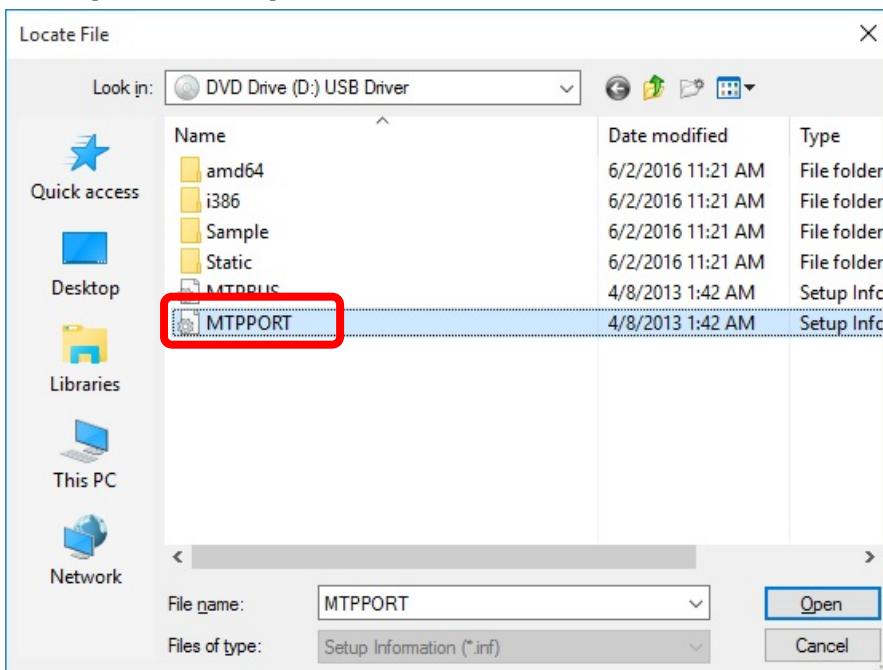
Click <Have Disk>.



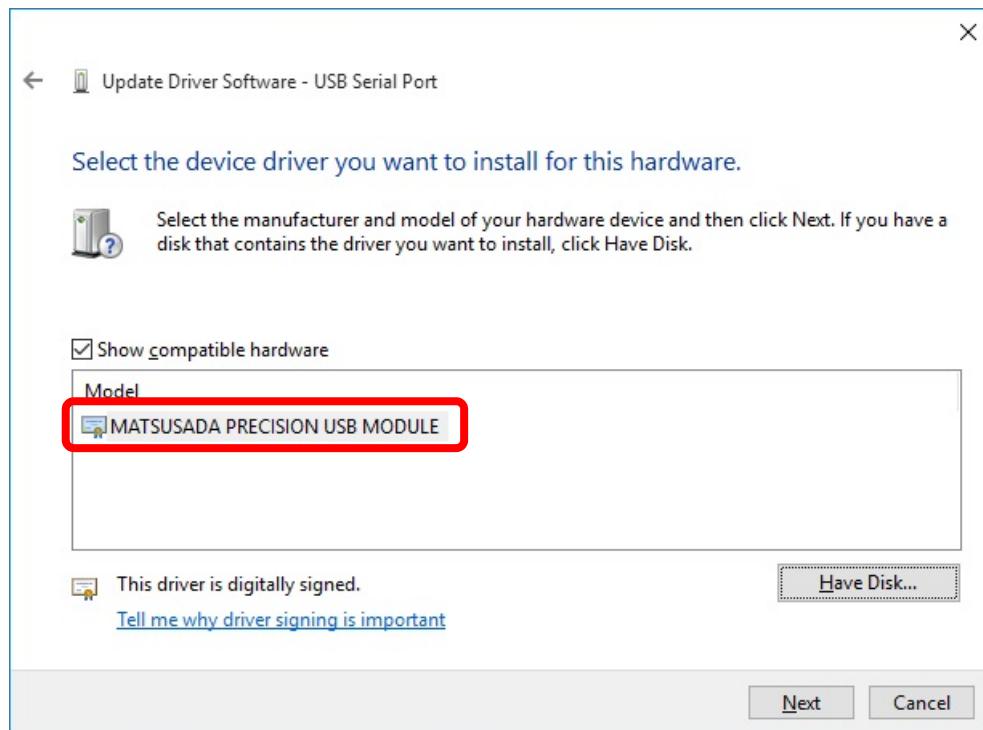
Click <Browse> to browse the CD drive.



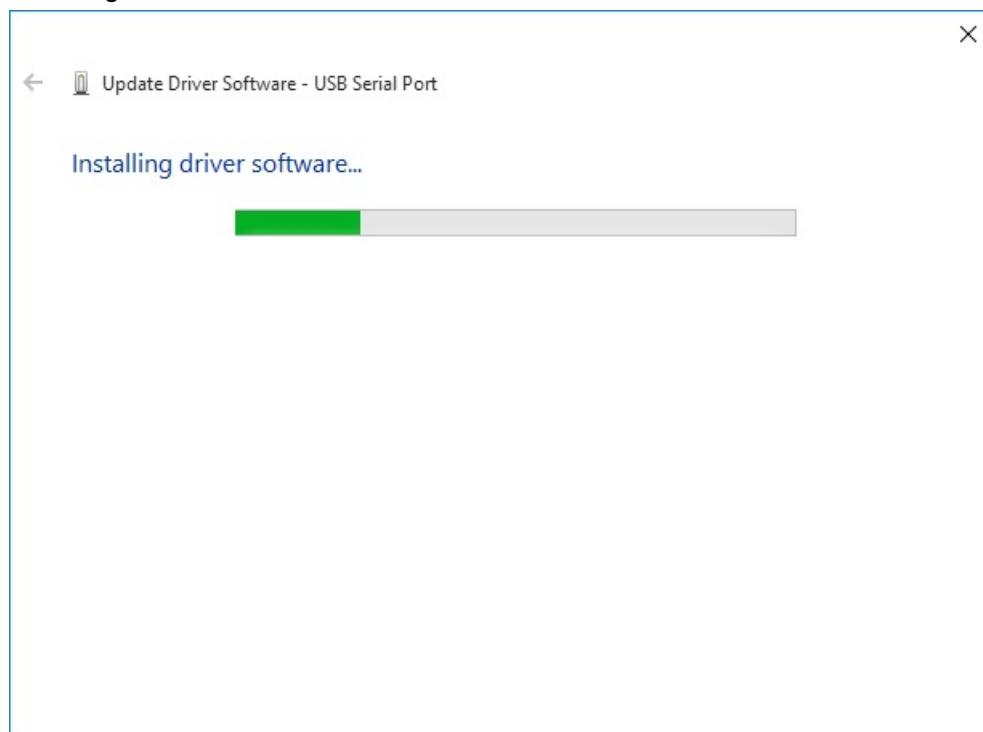
Select [MTPPORT.inf].



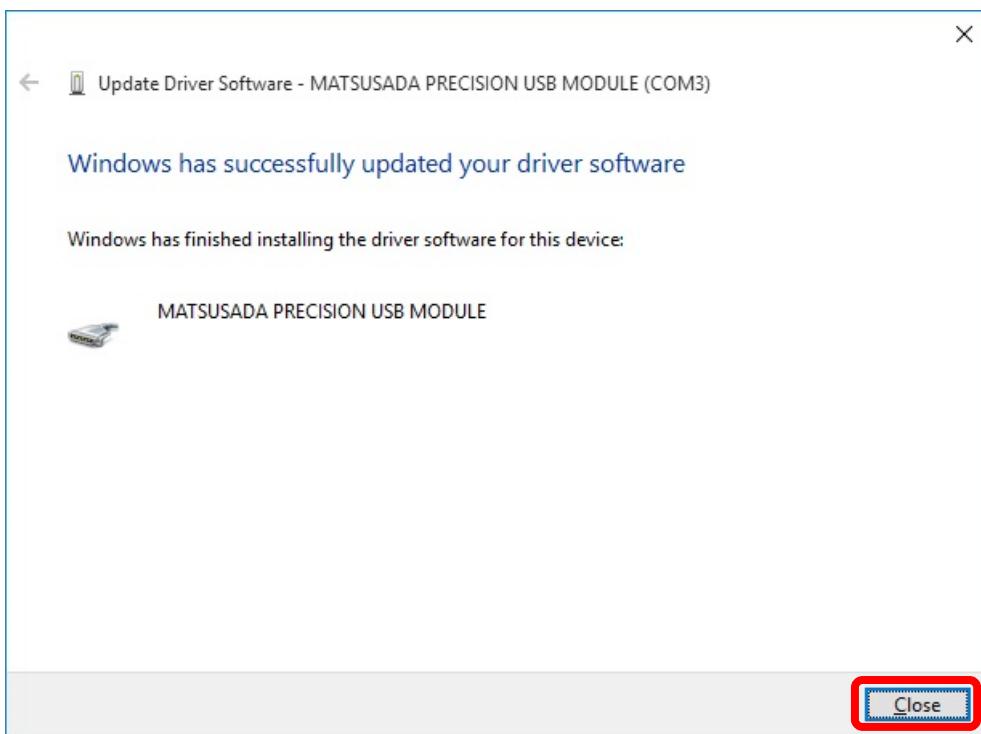
After <MATSUSADA PRECISION USB MODULE> detected, click <Next>.



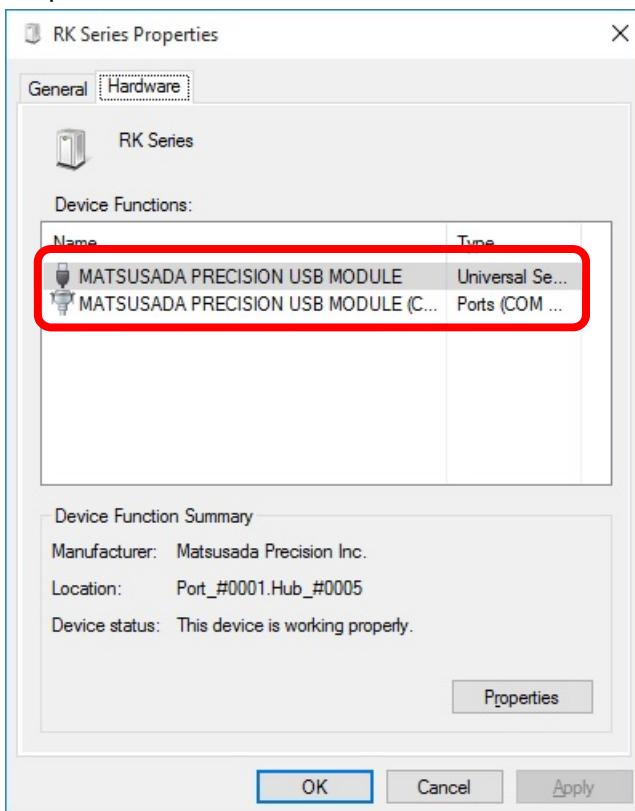
Installing device driver



When the window shows, installation of direct version of device driver is completing.
Click <Close>.



After installation completed, check that USB and virtual COM port is detected normal in Device Properties.



2-3 Driver Installation Guide (Windows 8, 8.1)

On Windows 8 and 8.1, it directly specifies the driver and start install.

Driver can be installed different way which is not described on this guide, but install the driver after confirming guide to use normally.

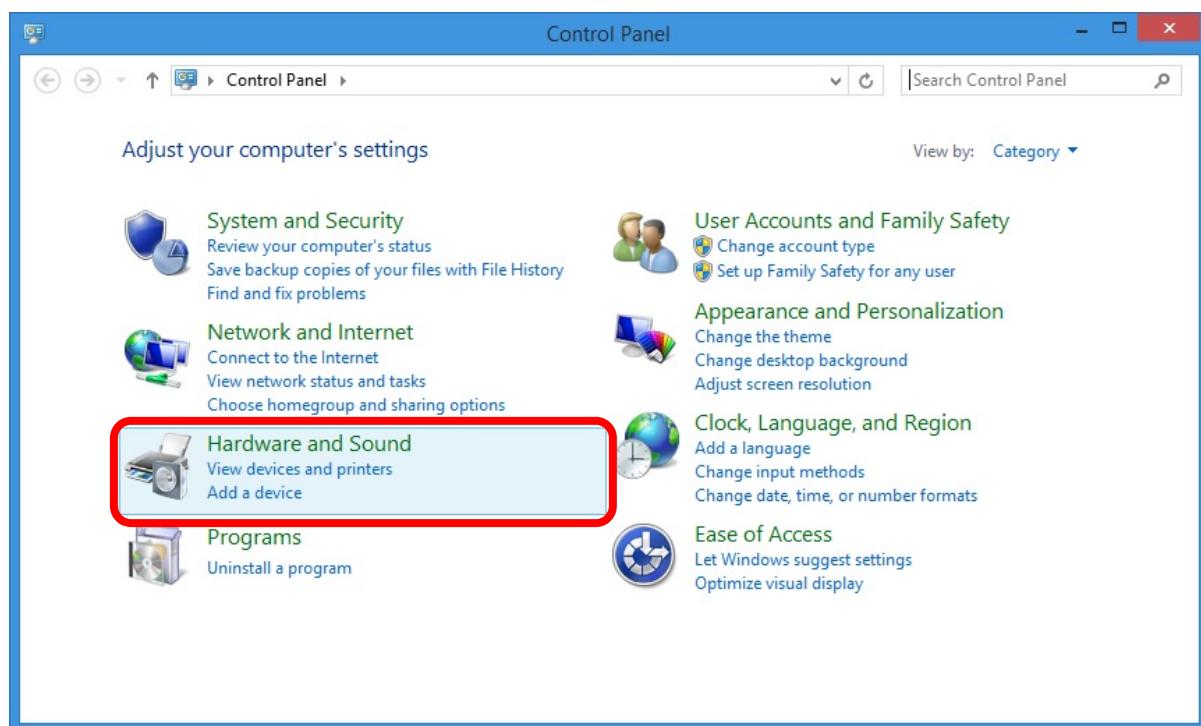
On Windows 8 and 8.1, it doesn't install the device driver automatically when connecting the device.

In the case of connecting the device first time, it needs to install the driver by manual.

(* In the case of installing the driver automatically, check after <Update Driver>.)

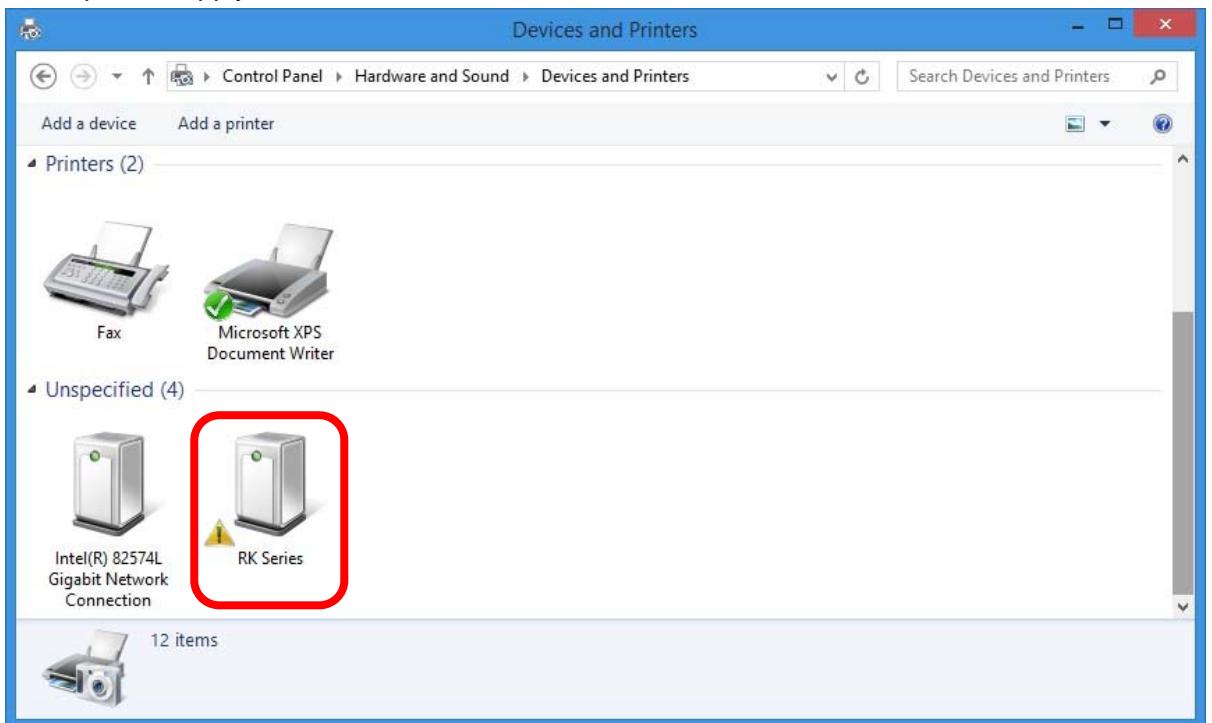
Turn on the power of Matsusada Precision USB Device.

If the power supply is detected as a device on Windows, click <View devices and printers> in <Hardware and Sound> from Control Panel.

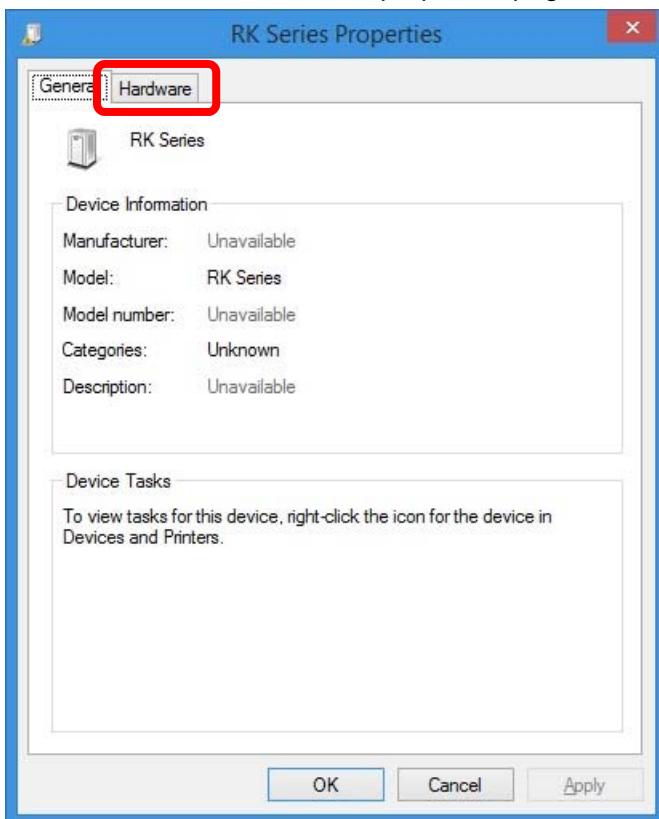


So it detected as "Unspecified", select this power supply, show property page on right click.

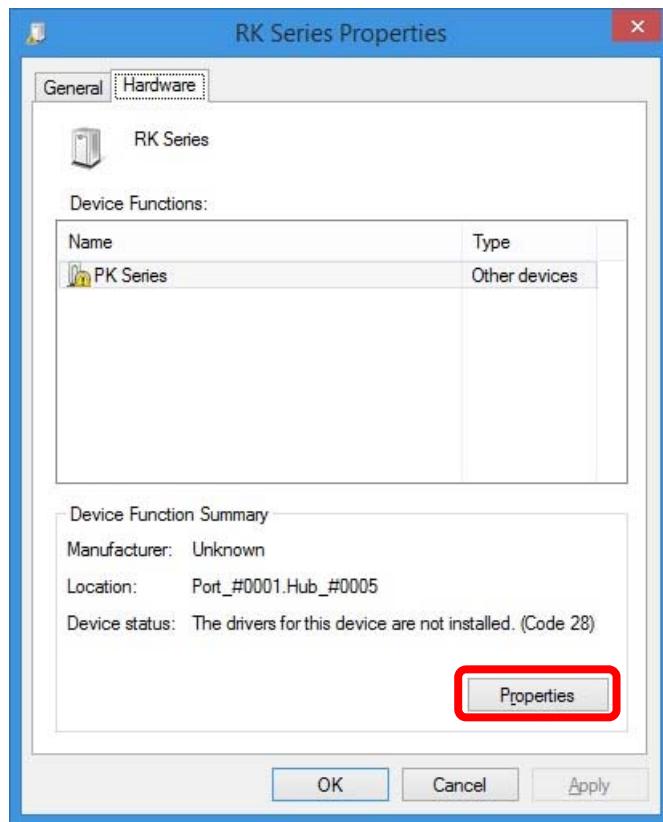
* This power supply is shown as the series name such as CO Series / RK Series ...



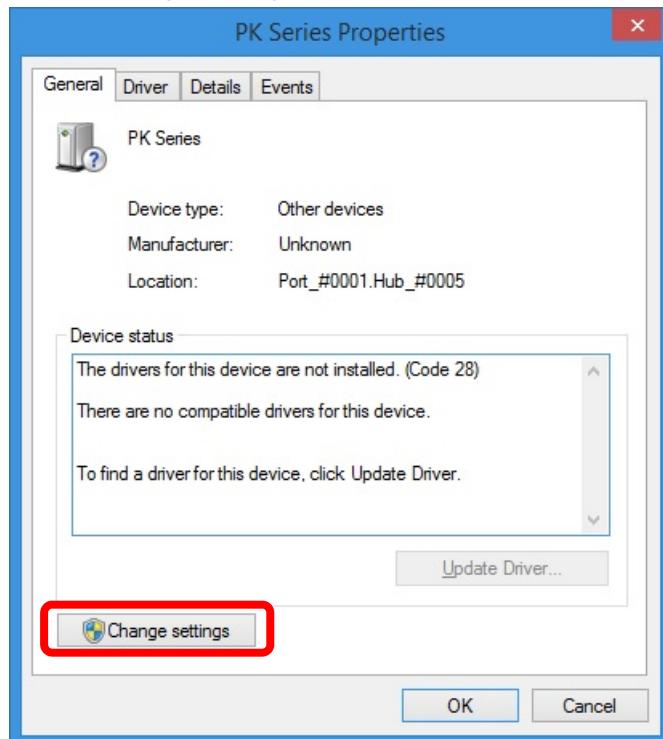
Select <Hardware> on device properties page.



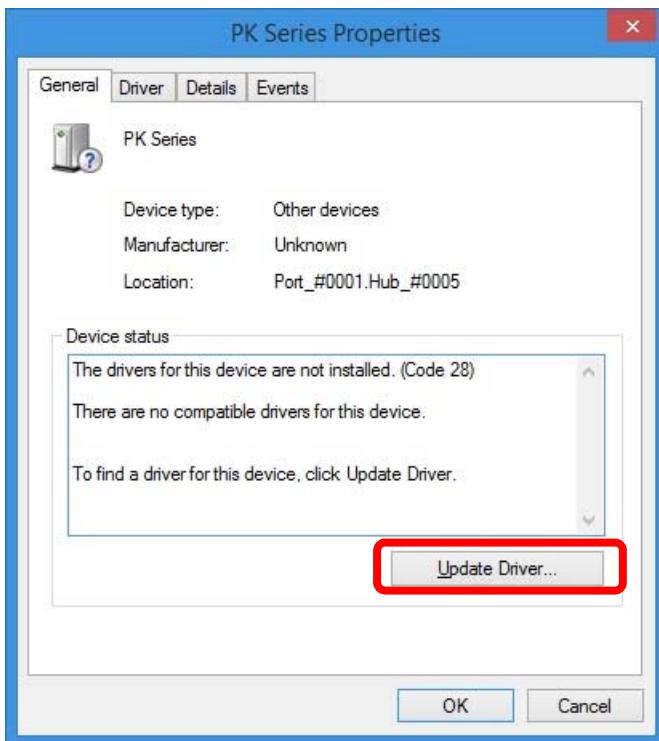
Click <Properties>.



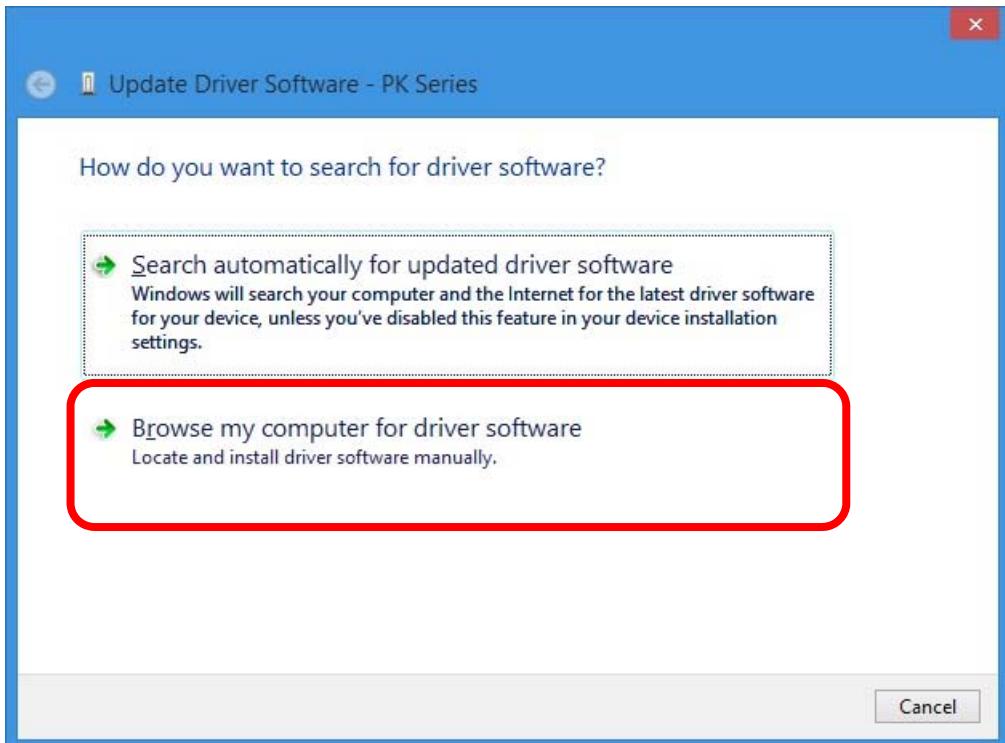
Click <Change setting>.



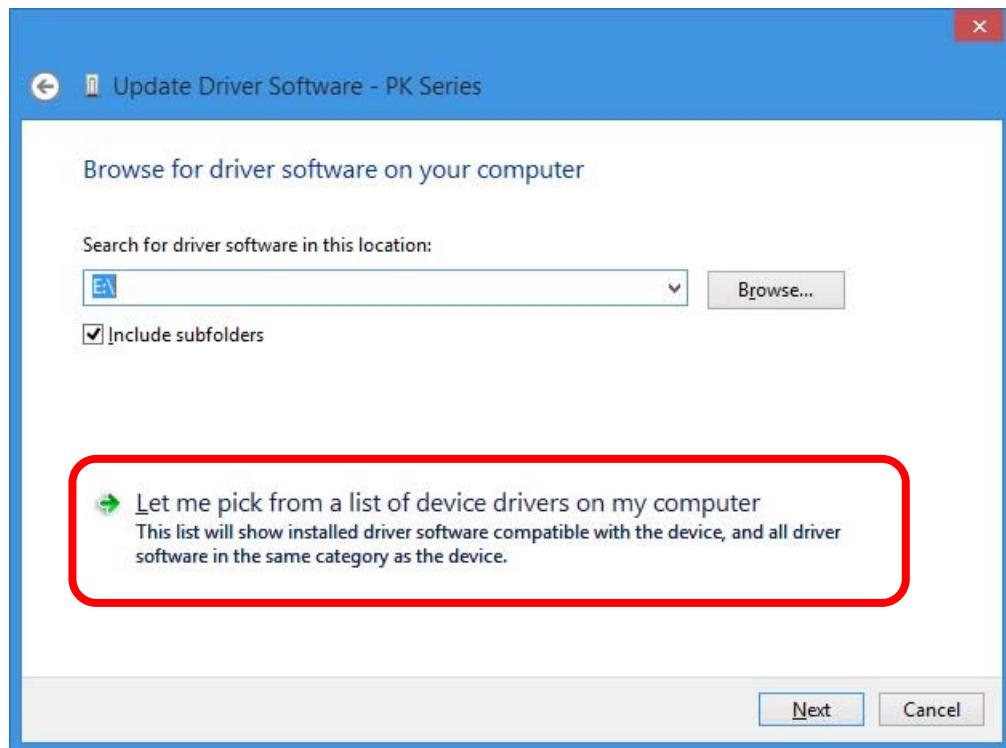
Click <Update Driver>.



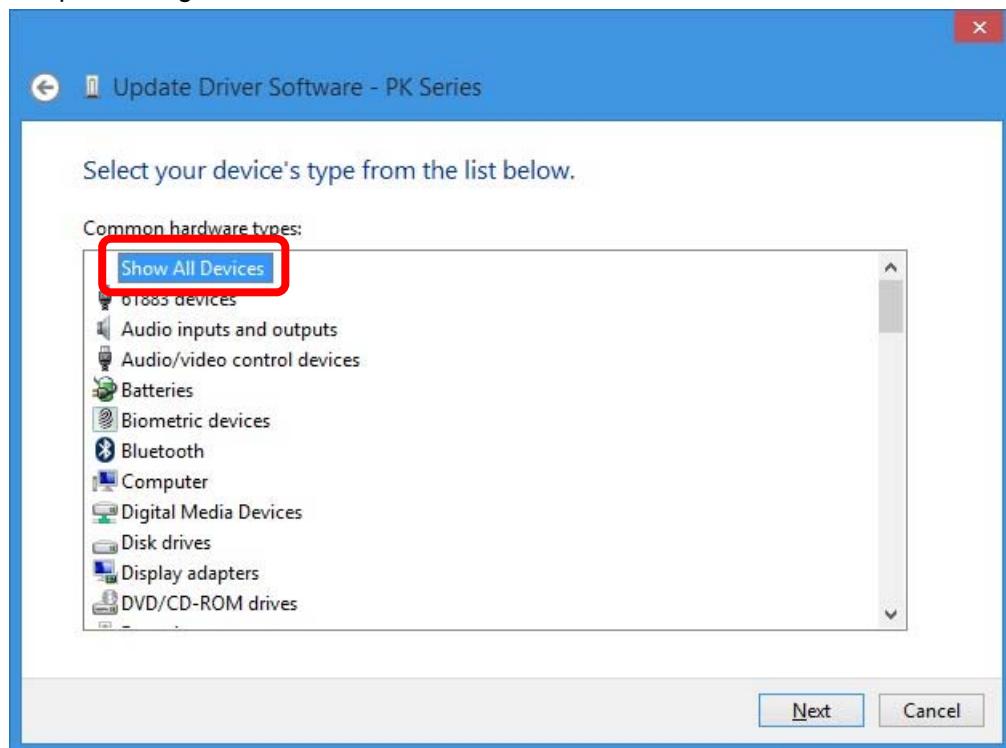
Click <Browse my computer for driver software>.



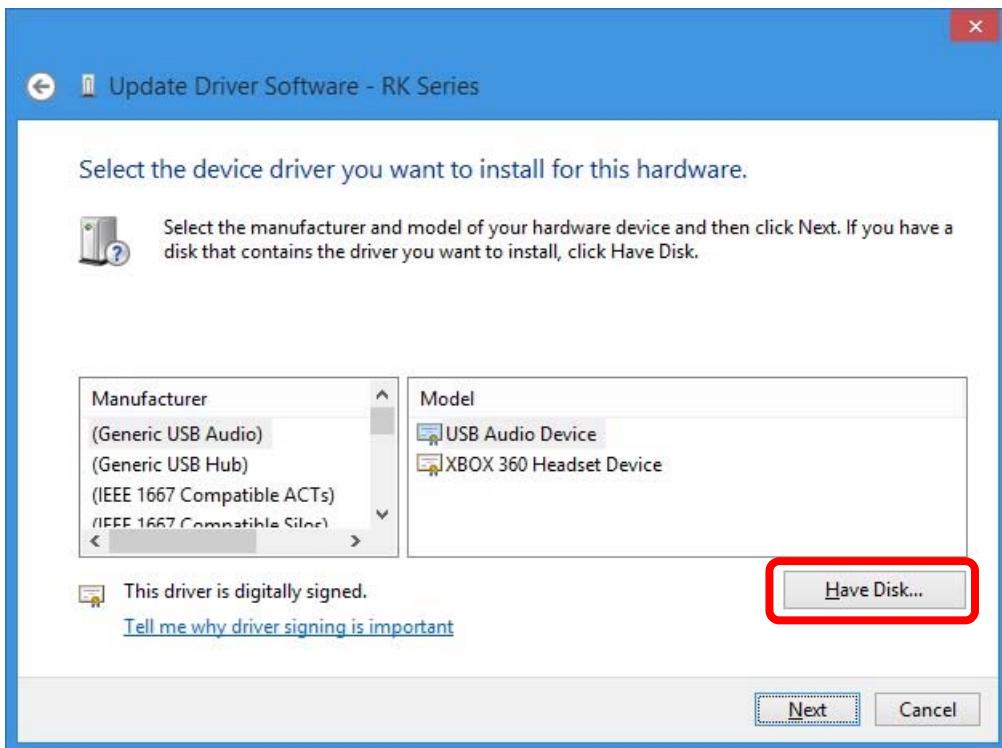
Click <Let me pick from a list of device drivers on my computer>.



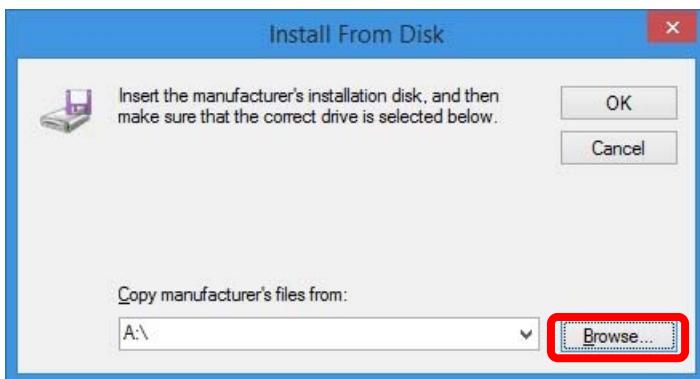
Keep selecting <Show All Devices>, click <Next>.



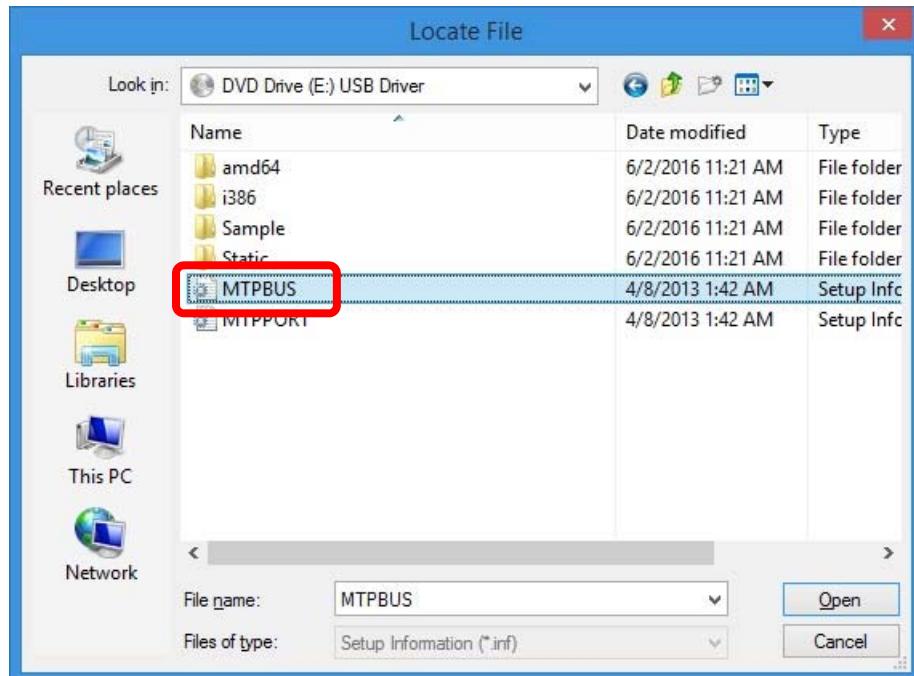
Click <Have Disk>.



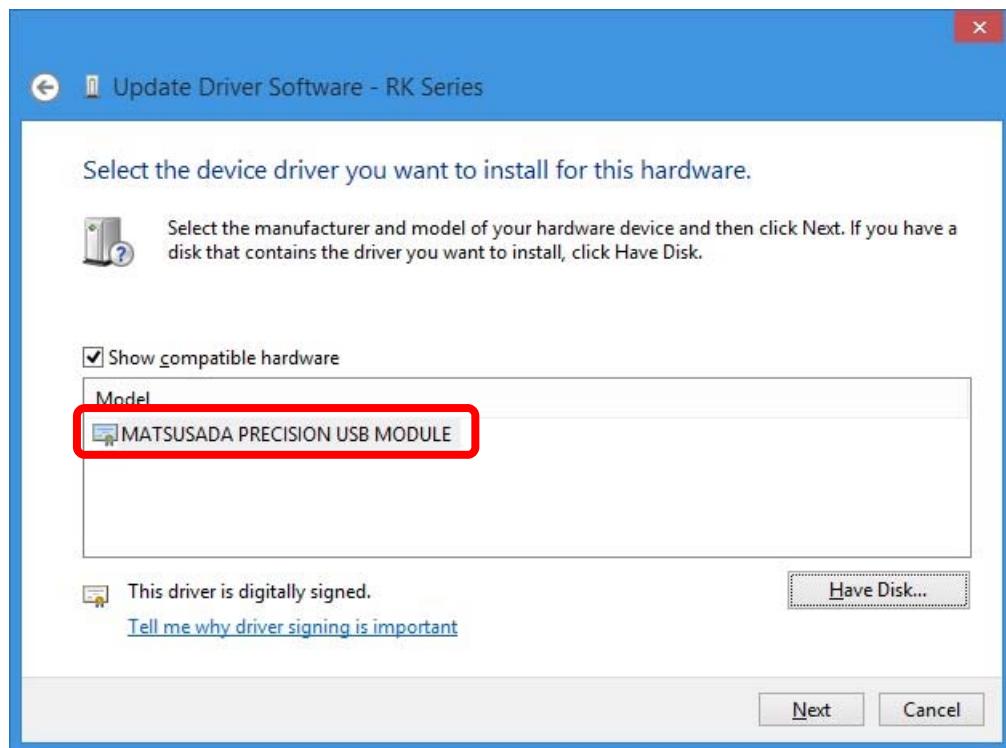
Click <Browse> to browse the CD drive.



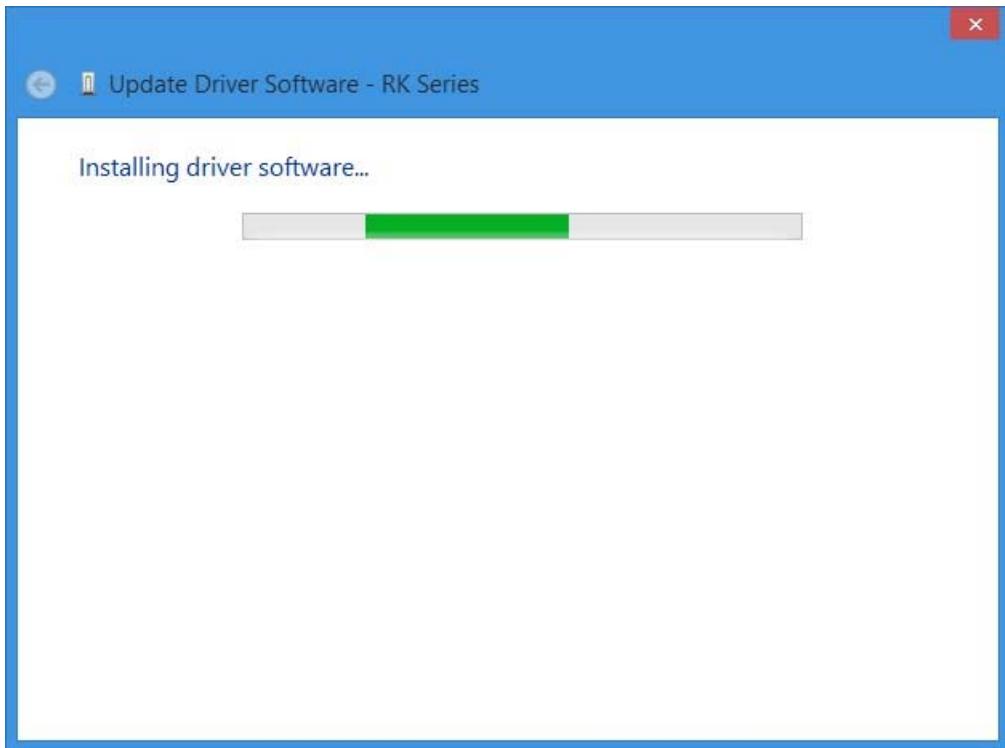
Select [MTPBUS.inf].



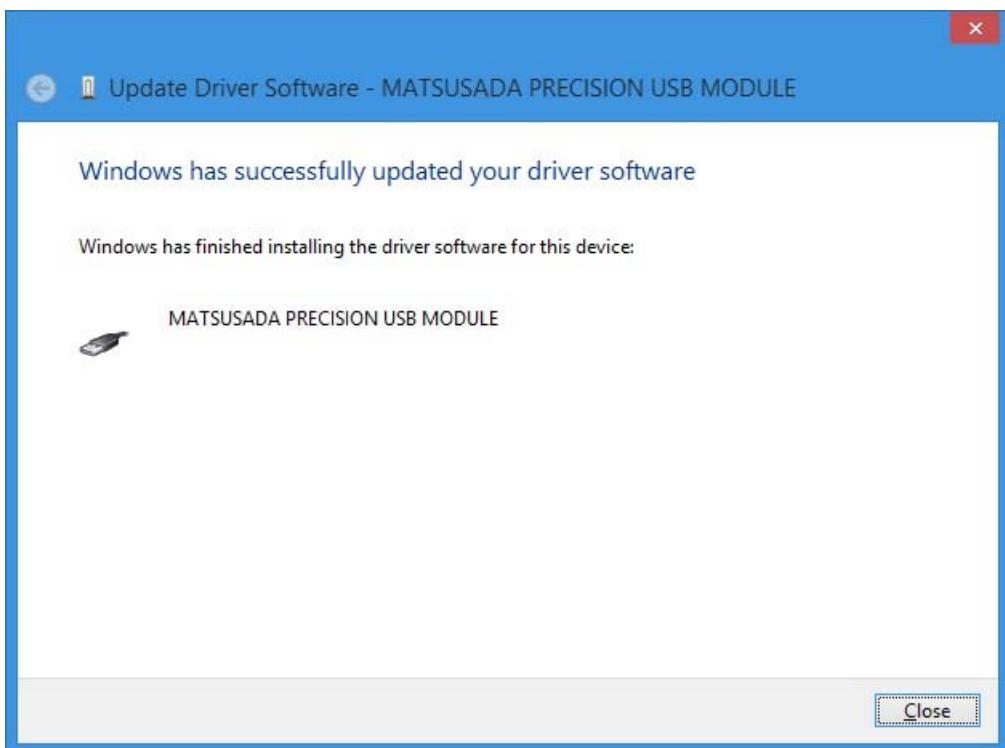
After <MATSUMADA PRECISION USB MODULE> detected, click <Next>.



Installing device driver



When the window shows, installation of direct version of device driver is completing.
Click <Close>.

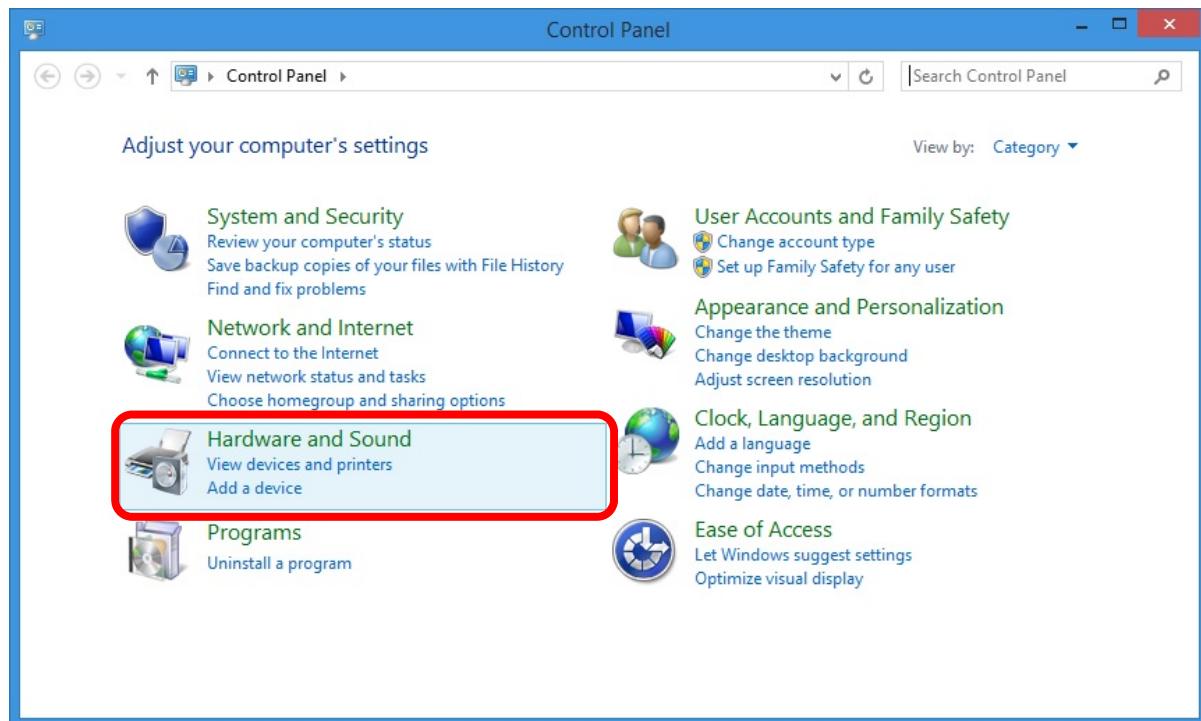


After completing the installation of direct version of device driver, the installation of virtual COM port version of device driver detected.

(* In the case of installing the driver automatically, check after <Update Driver>.)

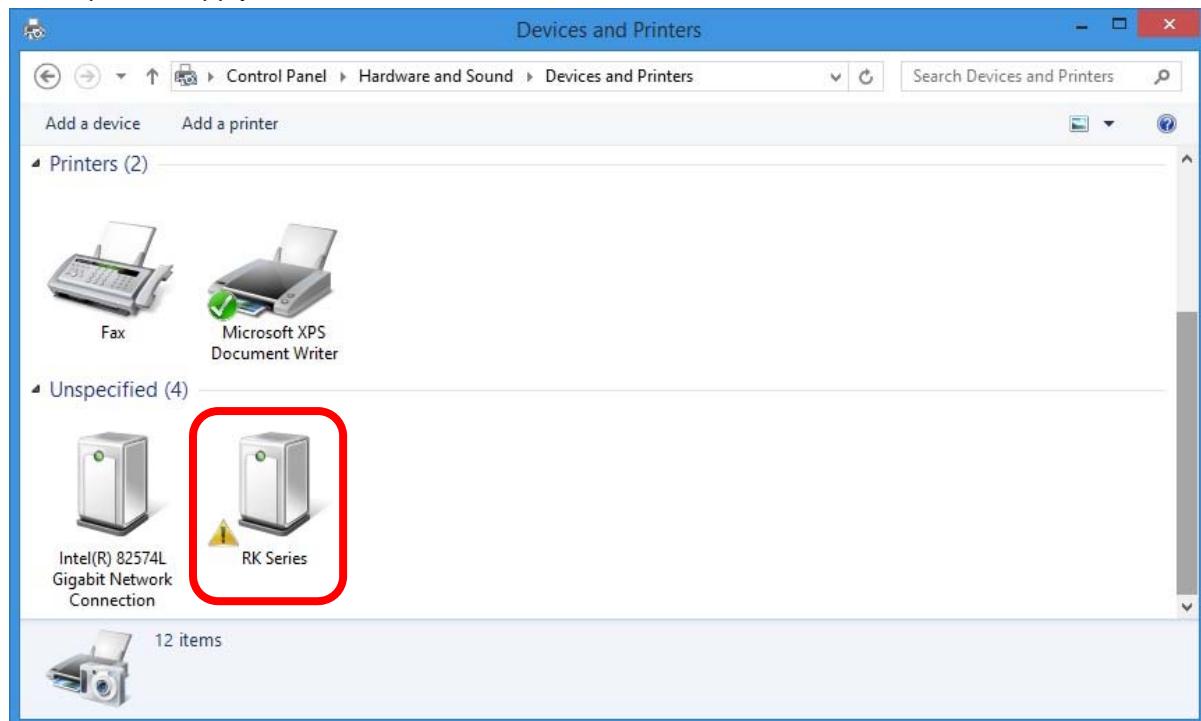
It doesn't install the device driver automatically like a direct version of device driver.
In the case of connecting the device first time, it needs to install the driver by manual.

Click <View devices and printers> in <Hardware and Sound> from Control Panel.

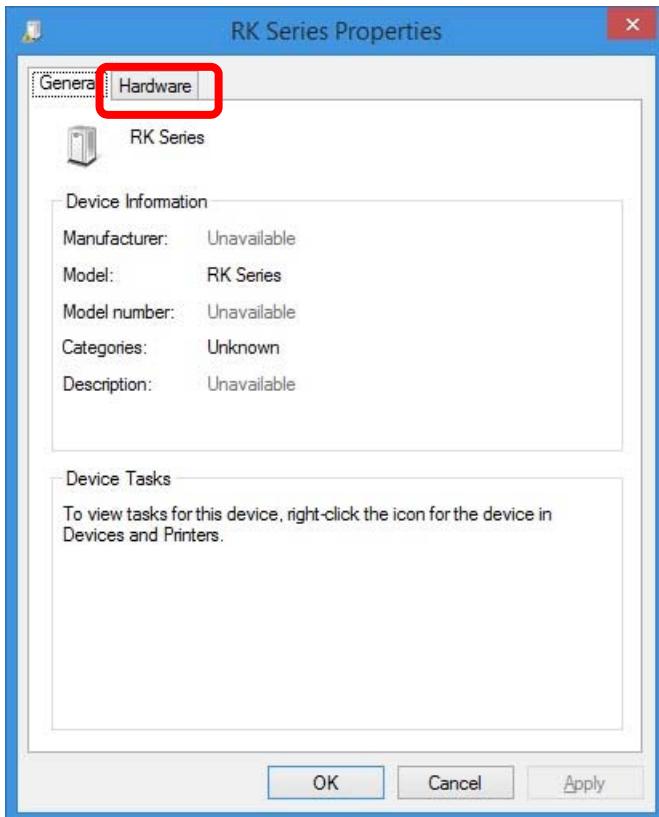


So it detected as "Unspecified", select this power supply, show property page on right click.

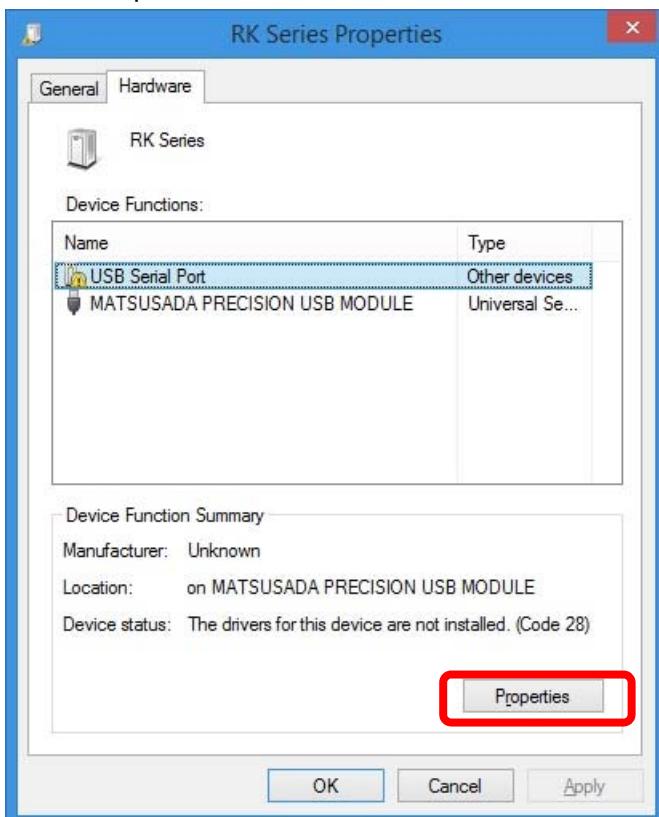
* This power supply is shown as the series name such as CO Series / RK Series ...



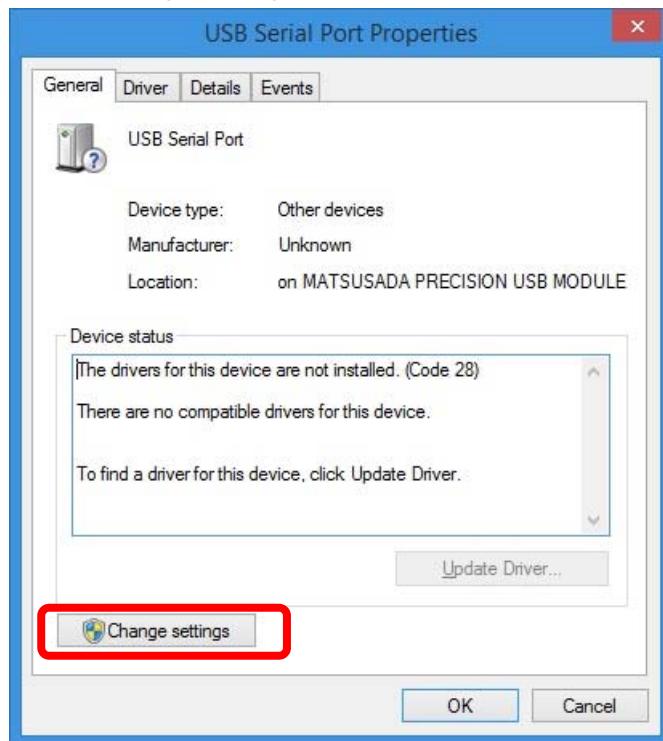
Select <Hardware> on device properties page.



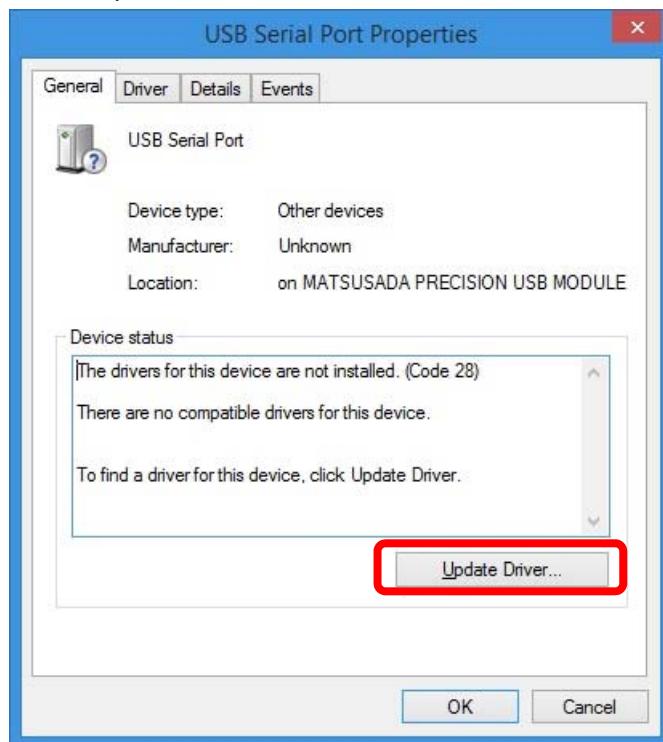
Click <Properties>.



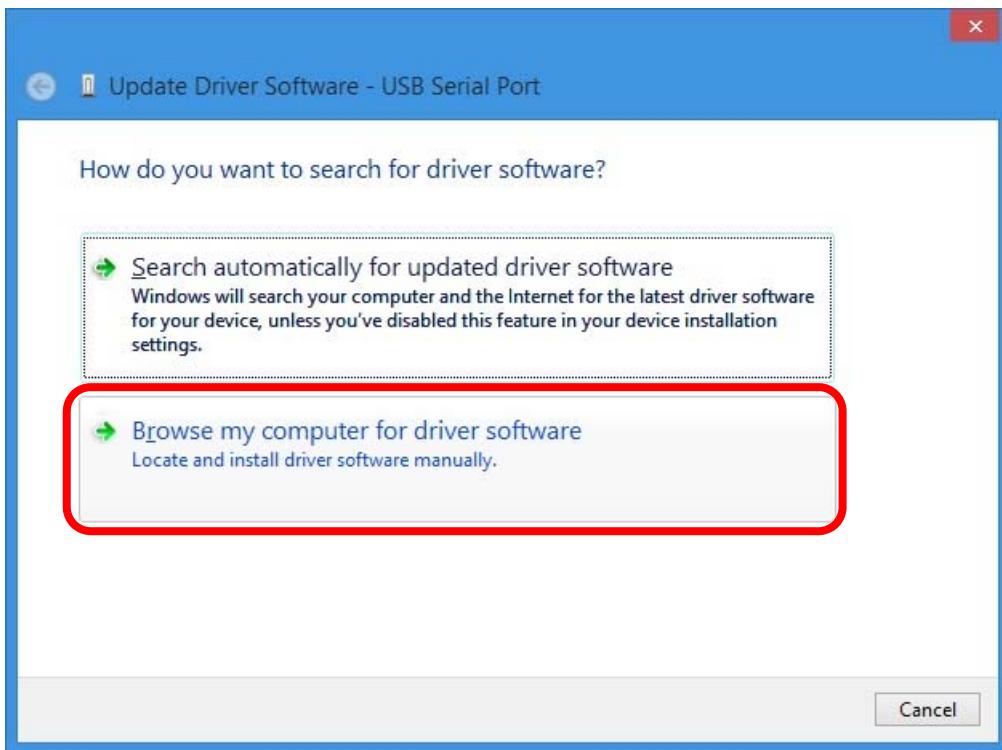
Click <Change setting>.



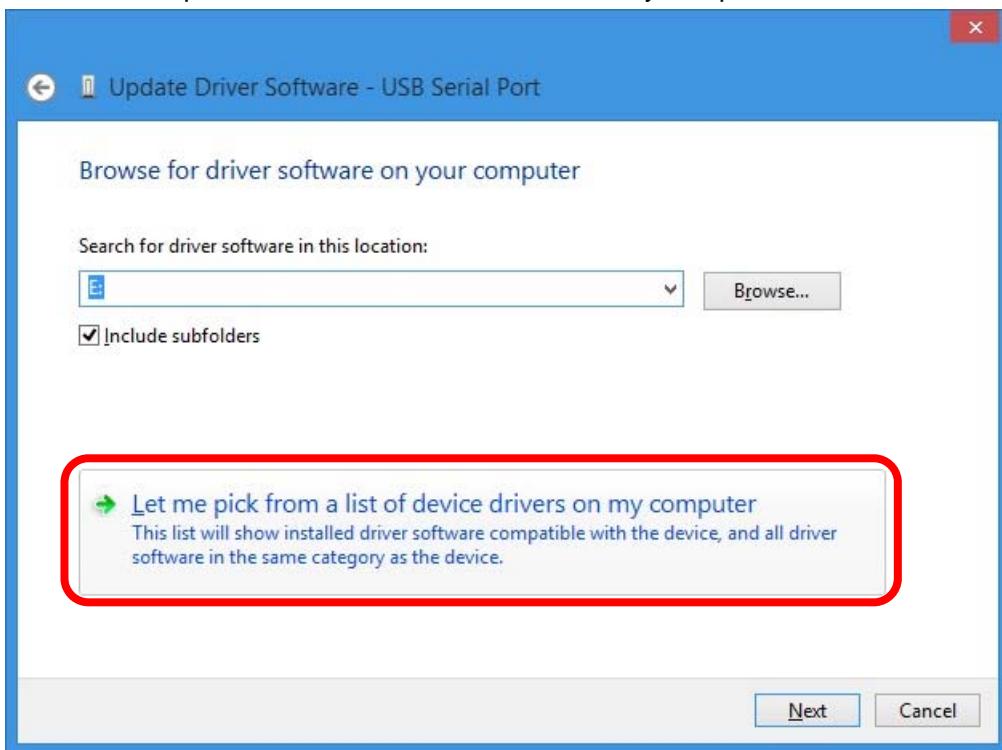
Click <Update Driver>.



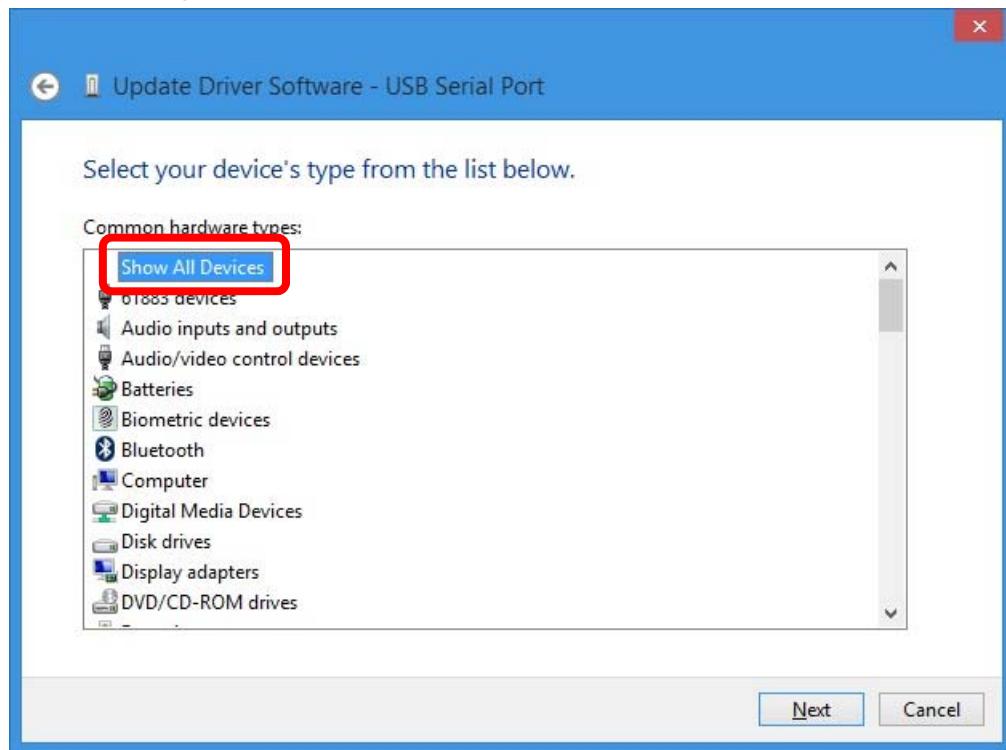
Click <Browse my computer for driver software>.



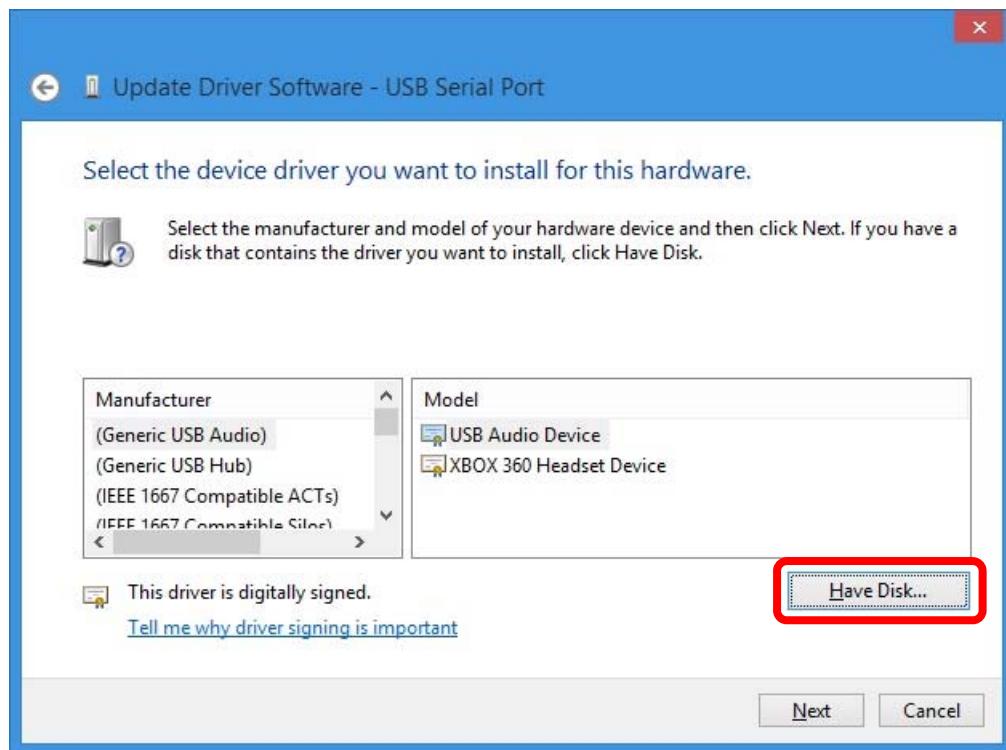
Click <Let me pick from a list of device drivers on my computer>.



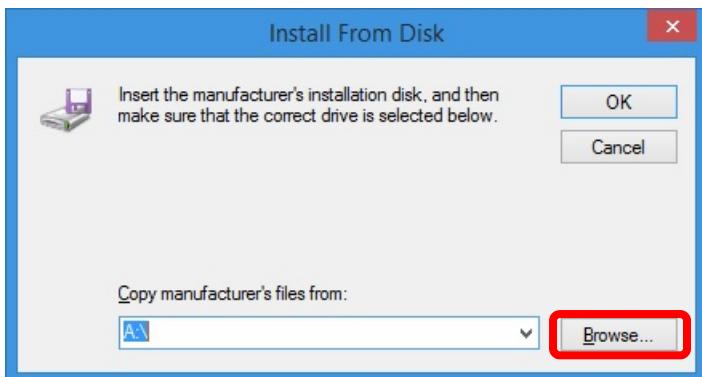
Keep selecting <Show All Devices>, click <Next>.



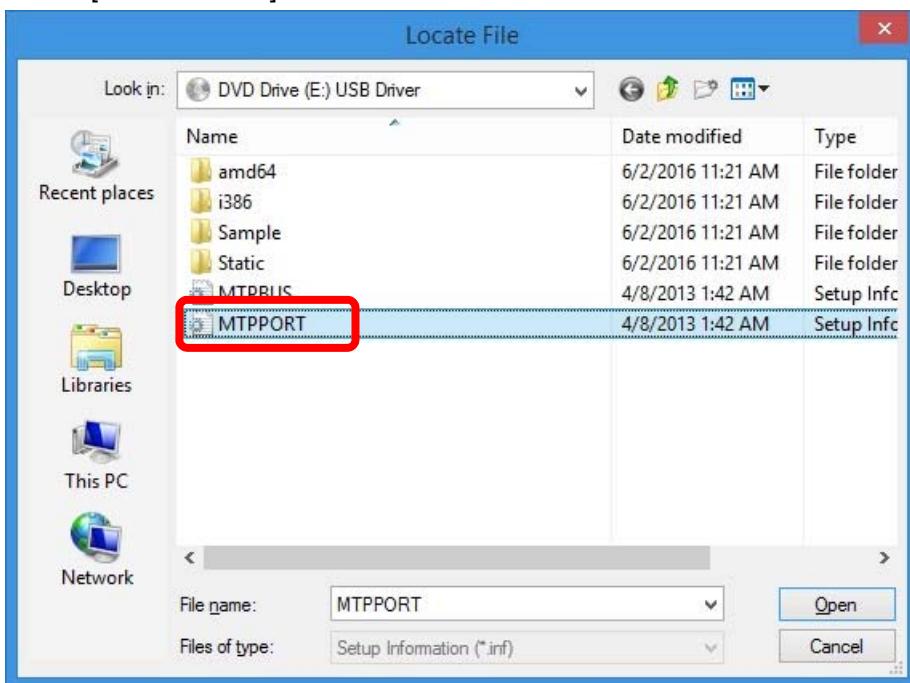
Click <Have Disk>.



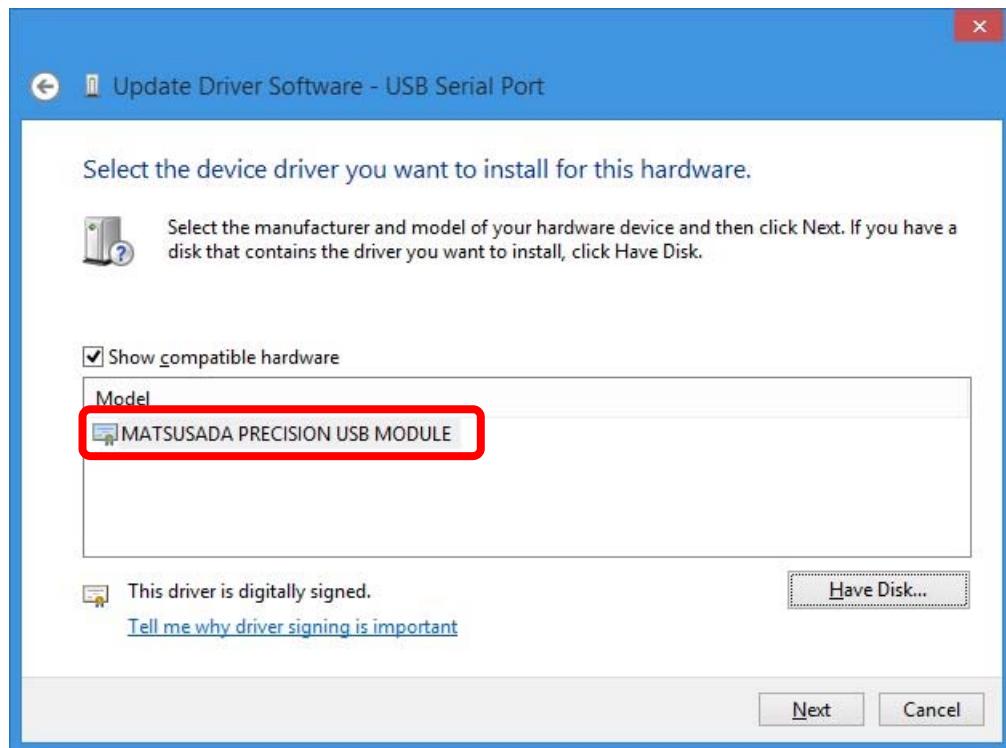
Click <Browse> to browse the CD drive.



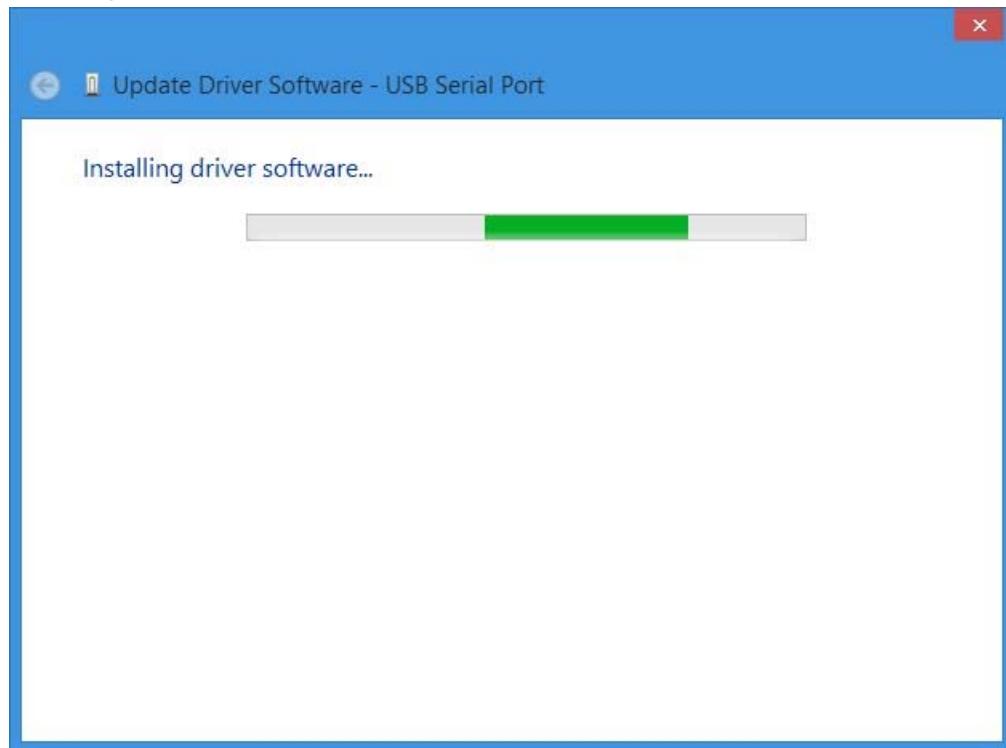
Select [MTPPORT.inf].



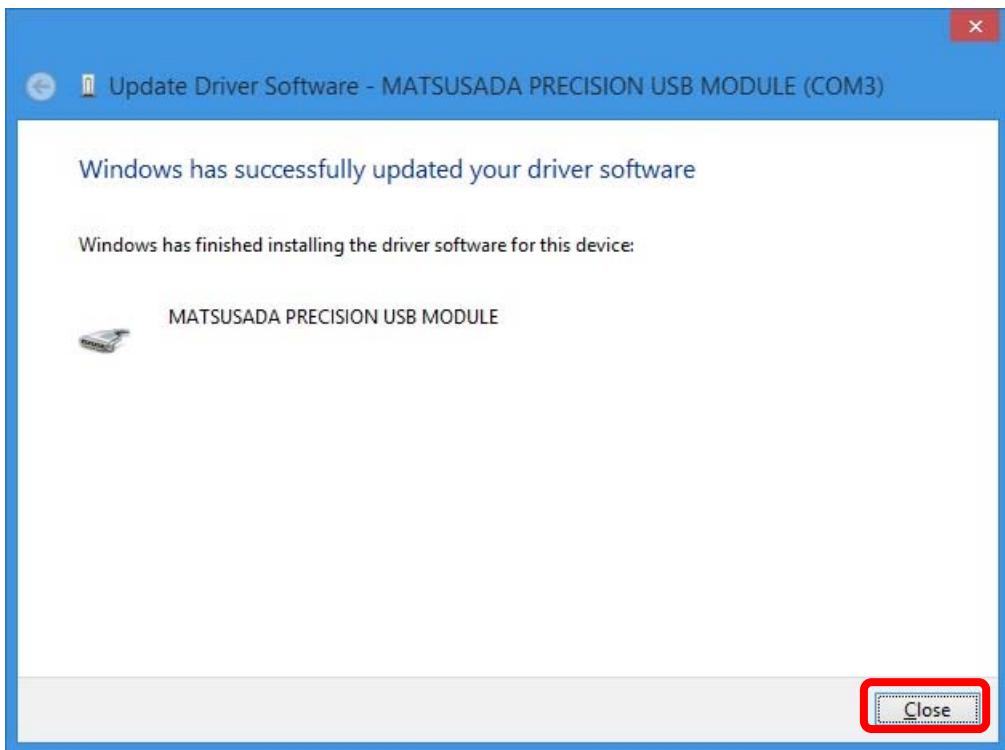
After <MATSUSADA PRECISION USB MODULE> detected, click <Next>.



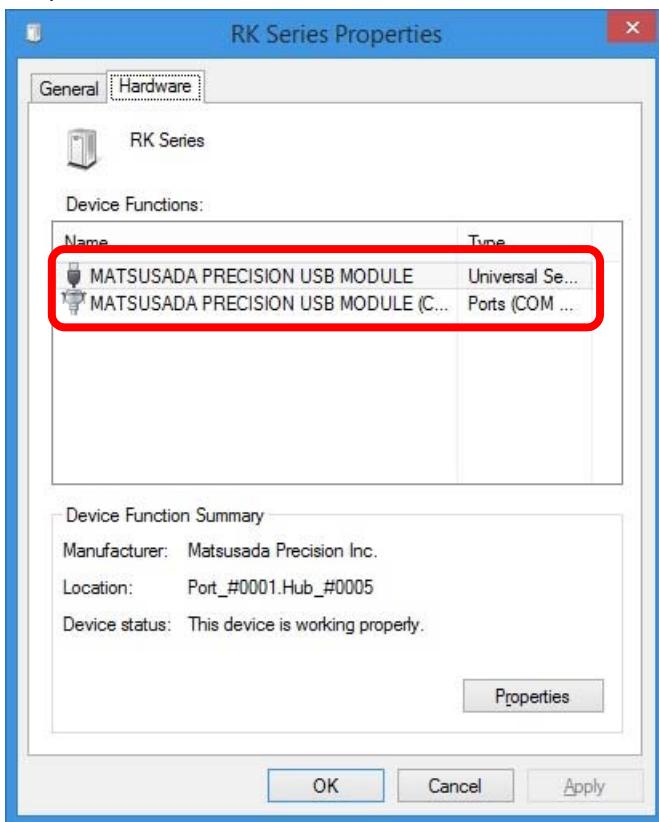
Installing device driver



When the window shows, installation of direct version of device driver is completing.
Click <Close>.



After installation completed, check that USB and virtual COM port is detected normal in Device Properties.



2-4 Driver Installation Guide (Windows 7)

On Windows 7, it directly specifies the driver and start install.

Driver can be installed different way which is not described on this guide, but install the driver after confirming guide to use normally.

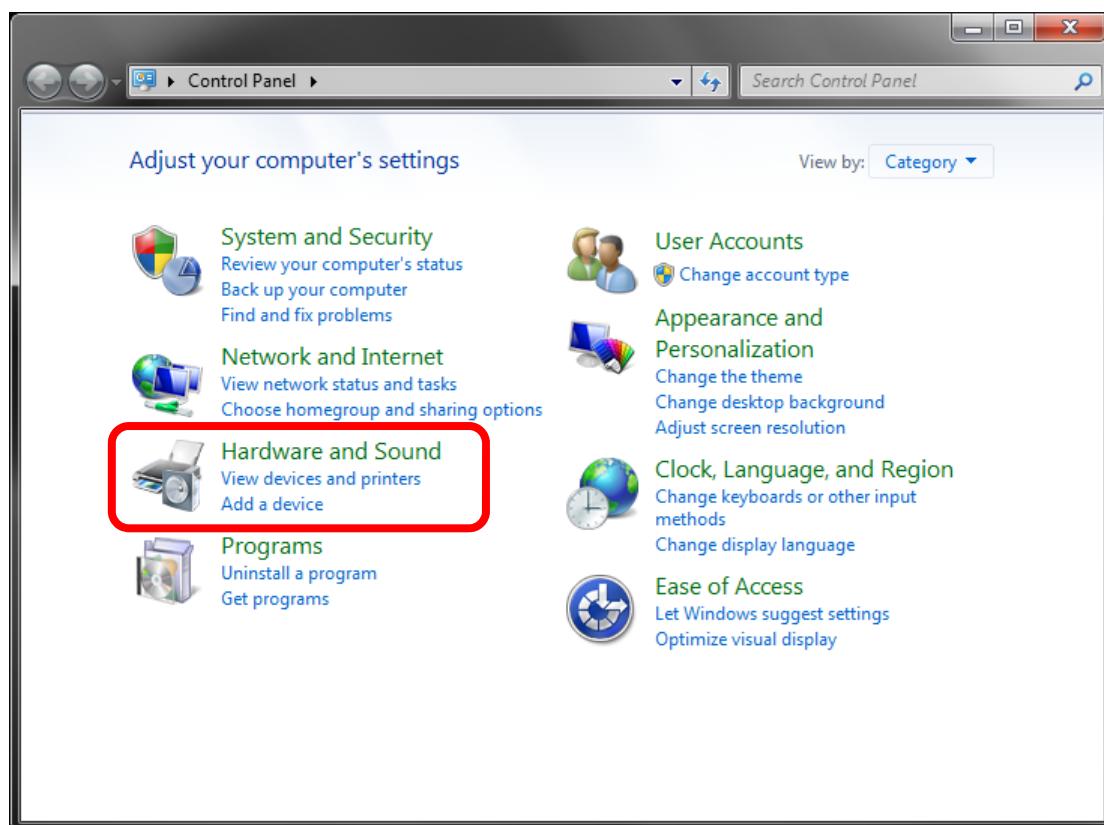
On Windows 7, it doesn't install the device driver automatically when connecting the device.

In the case of connecting the device first time, it needs to install the driver by manual.

(* In the case of installing the driver automatically, check after <Update Driver>.)

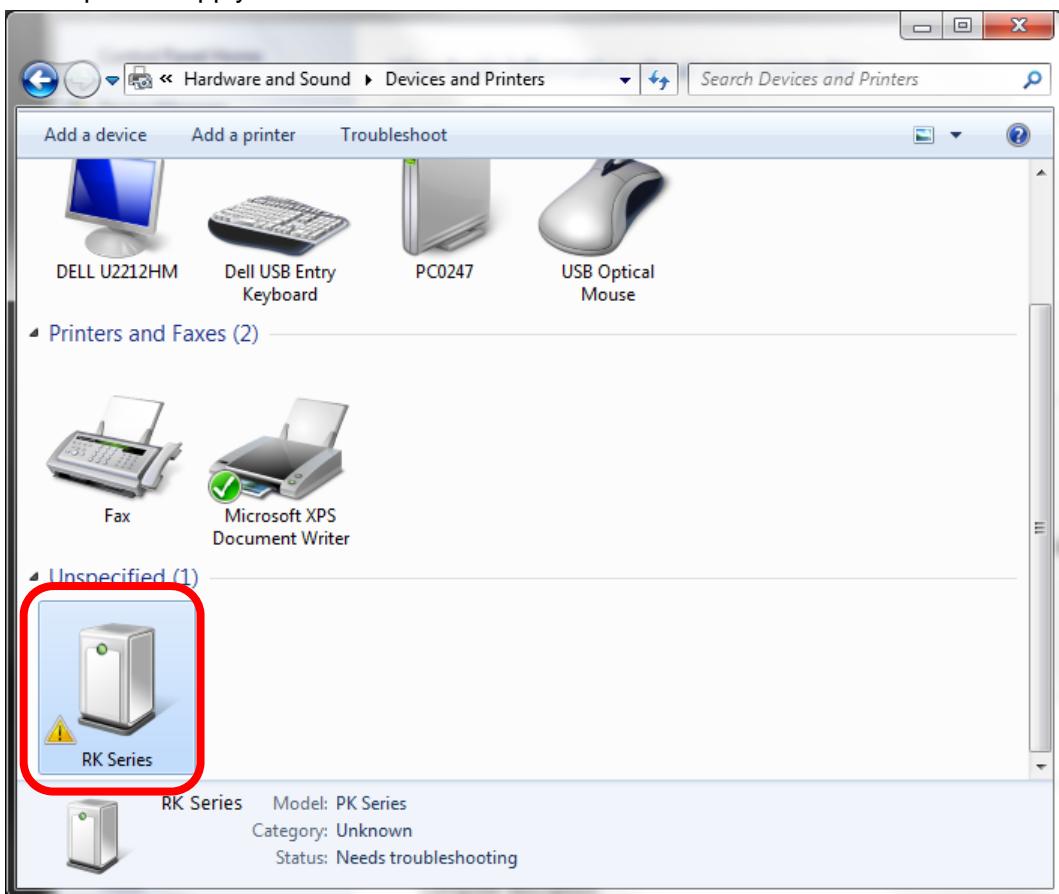
Turn on the power of Matsusada Precision USB Device.

If the power supply is detected as a device on Windows, click <View devices and printers> in <Hardware and Sound> from Control Panel.

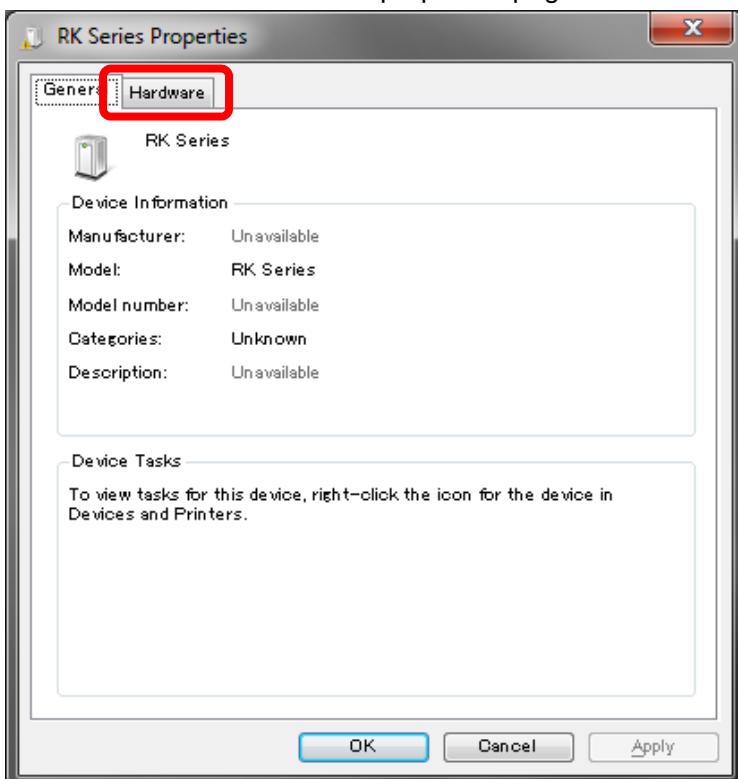


So it detected as "Unspecified", select this power supply, show property page on right click.

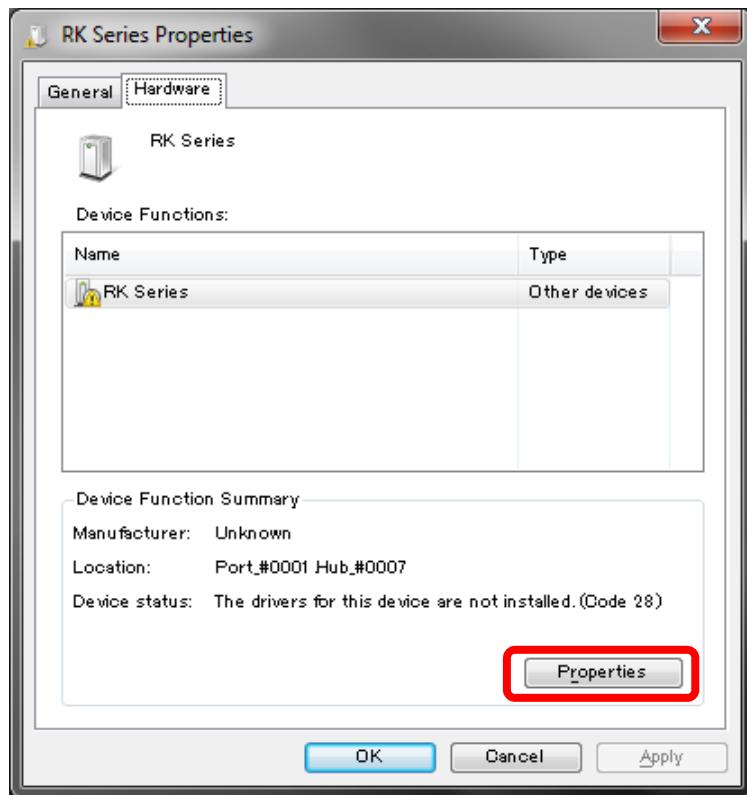
* This power supply is shown as the series name such as CO Series / RK Series ...



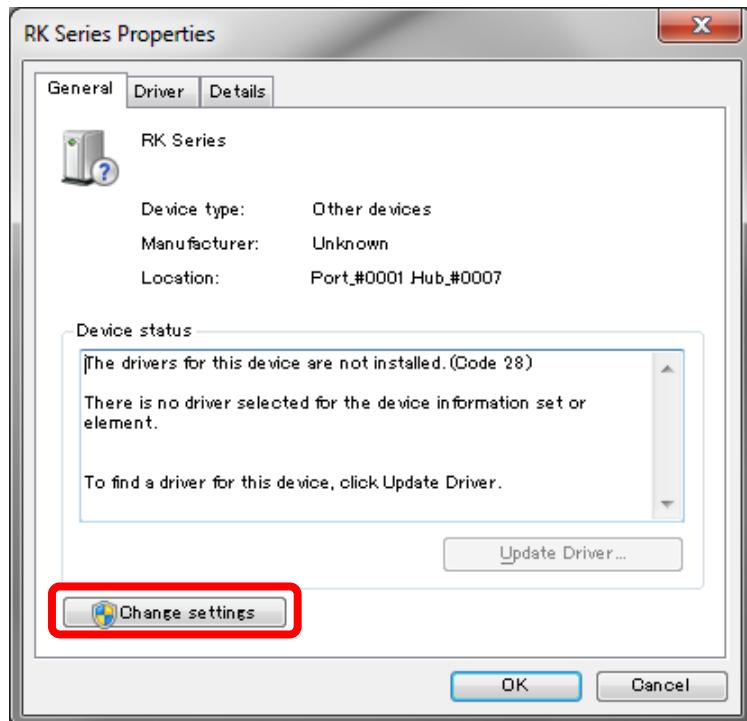
Select <Hardware> on device properties page.



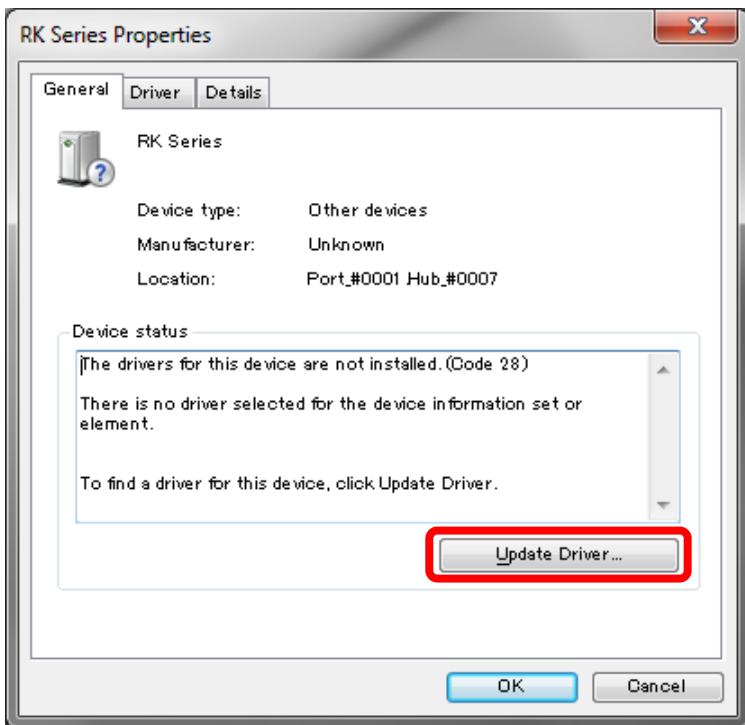
Click <Properties>.



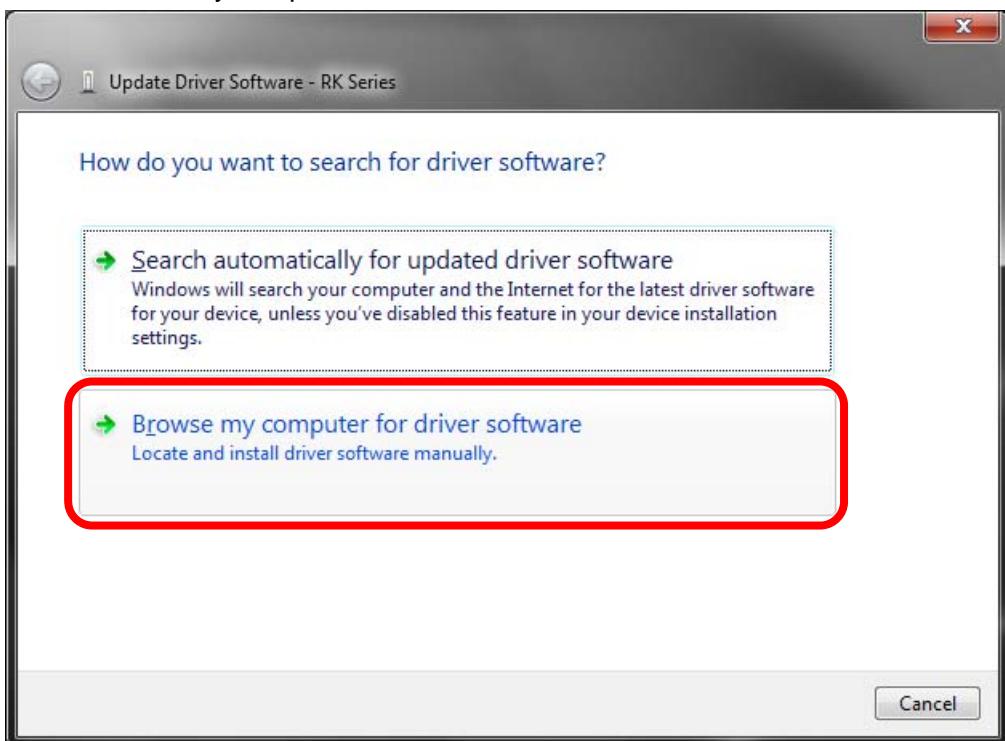
Click <Change setting>.



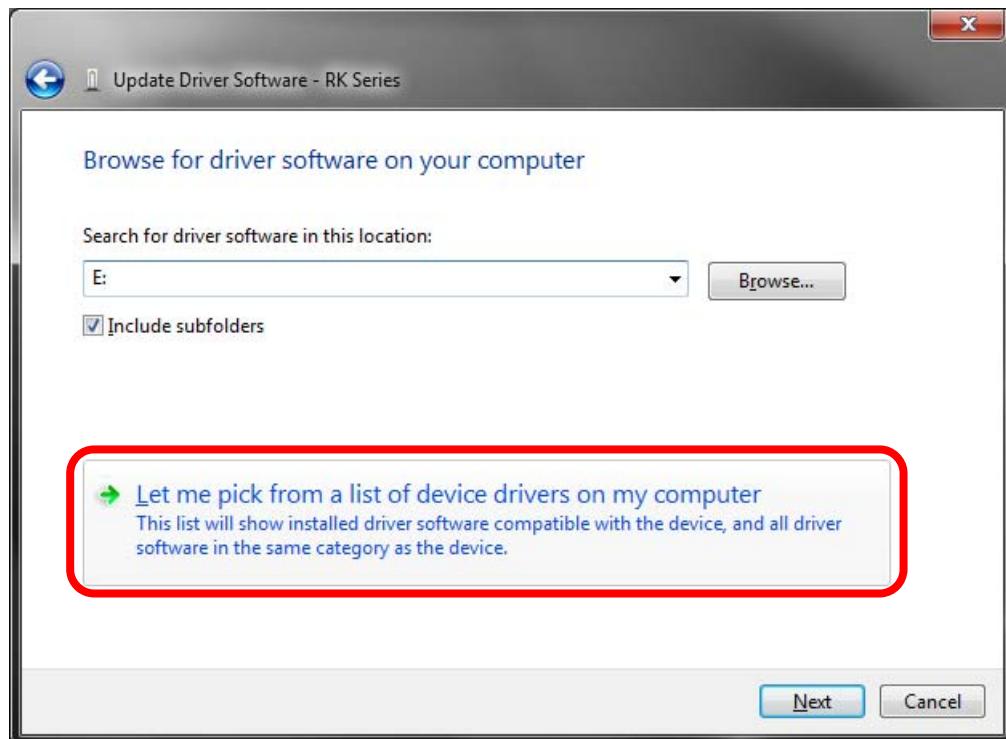
Click <Update Driver>.



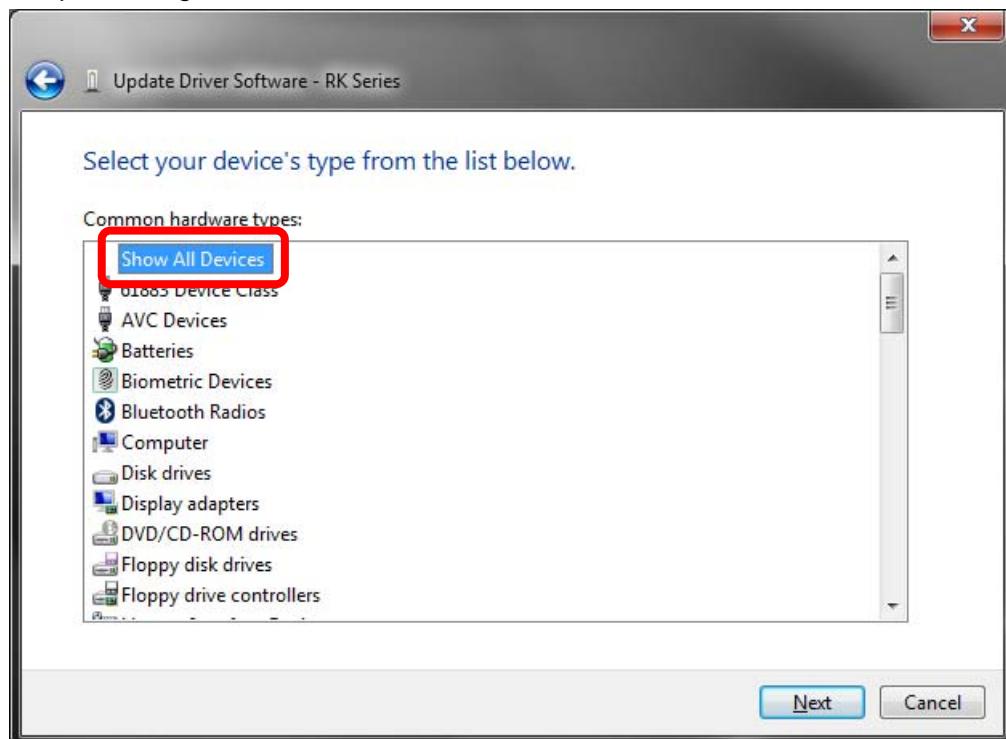
Click <Browse my computer for driver software>.



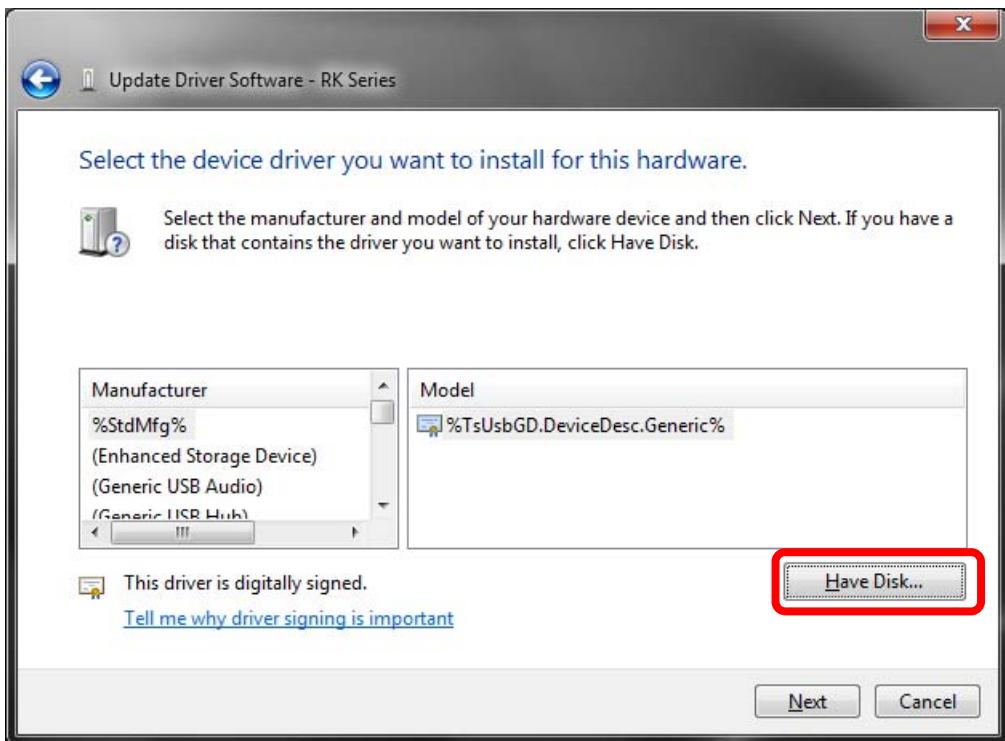
Click <Let me pick from a list of device drivers on my computer>.



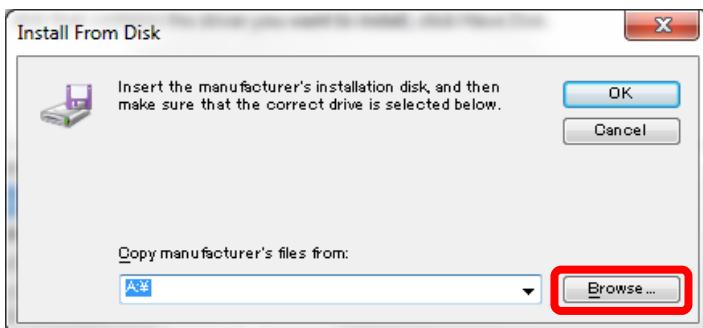
Keep selecting <Show All Devices>, click <Next>.



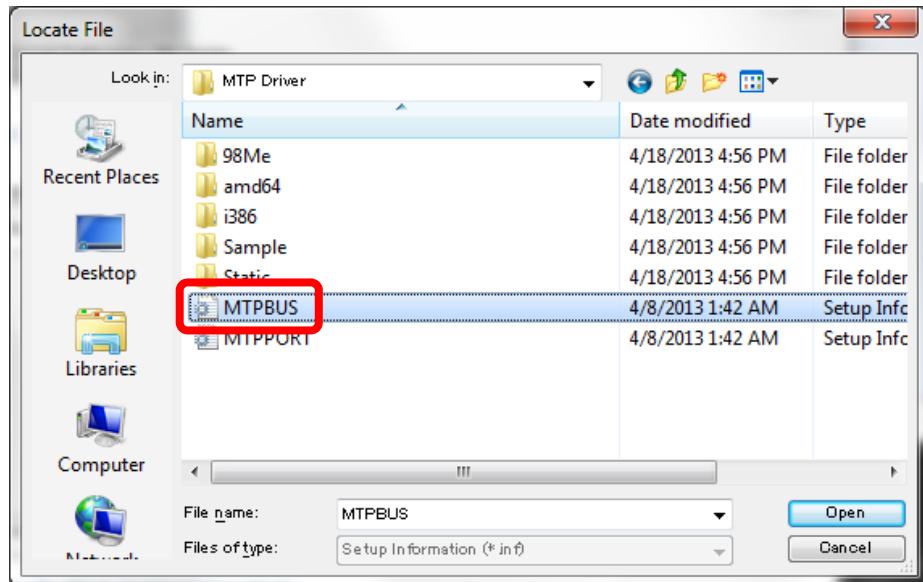
Click <Have Disk>.



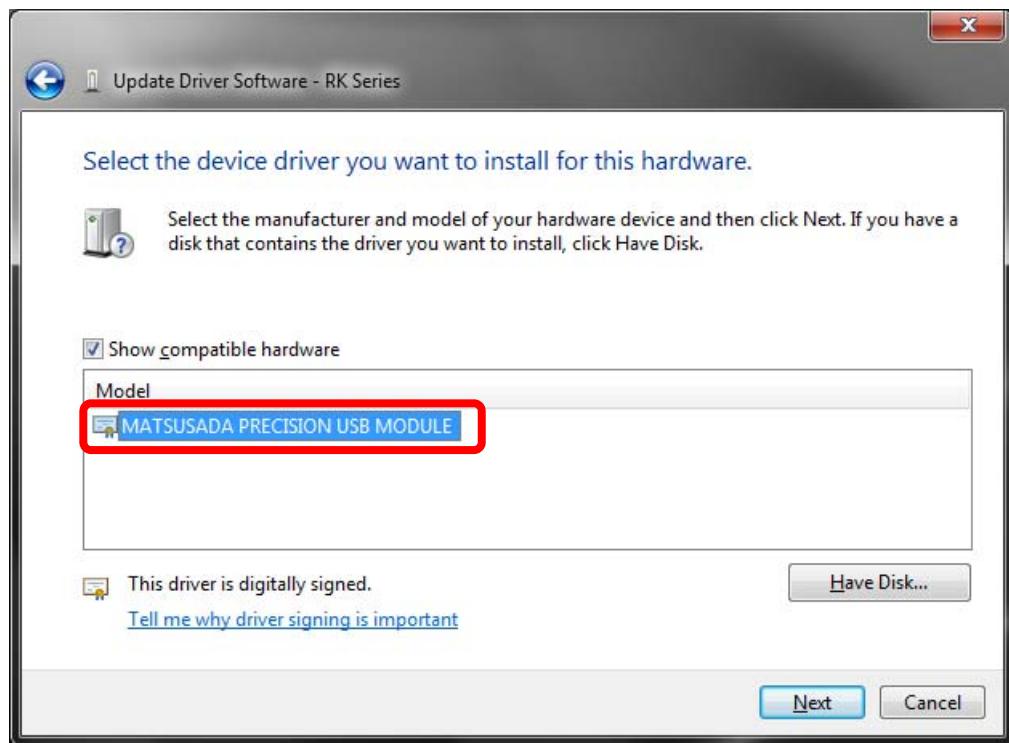
Click <Browse> to browse the CD drive.



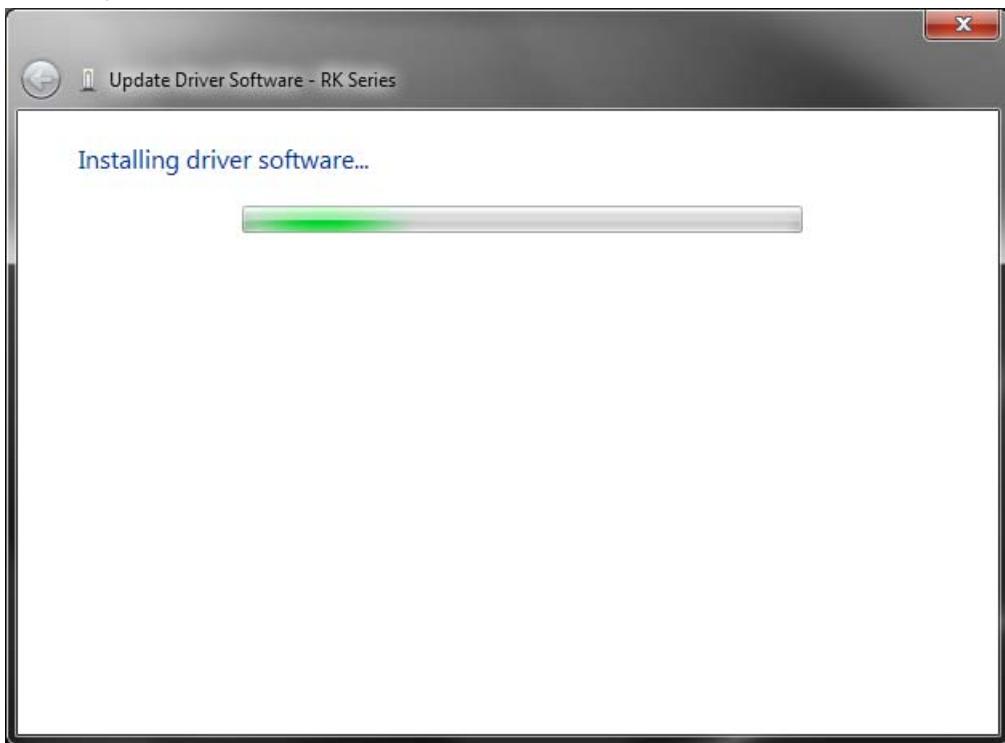
Select [MTPBUS.inf].



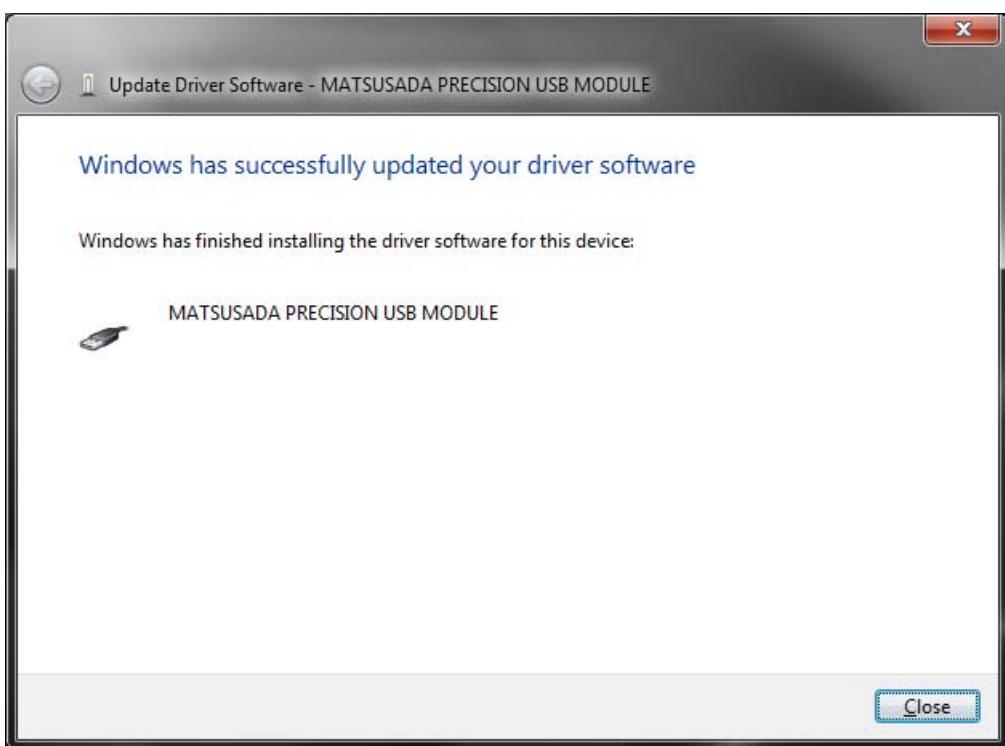
After <MATSUMADA PRECISION USB MODULE> detected, click <Next>.



Installing device driver



When the window shows, installation of direct version of device driver is completing.
Click <Close>.

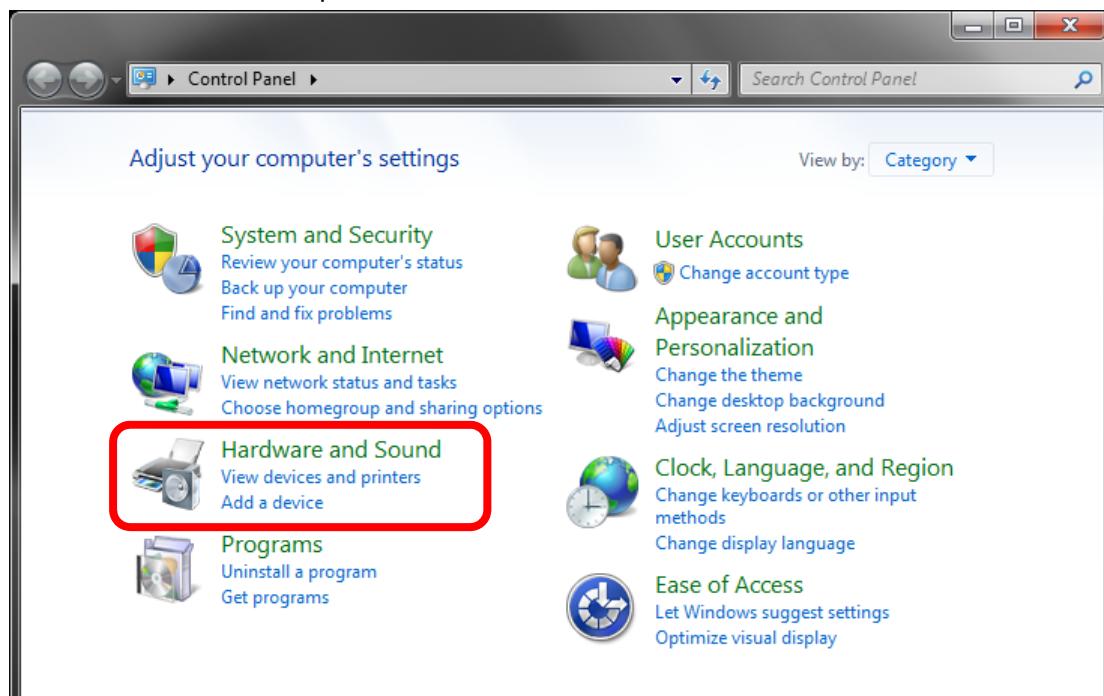


After completing the installation of direct version of device driver, the installation of virtual COM port version of device driver detected.

(* In the case of installing the driver automatically, check after <Update Driver>.)

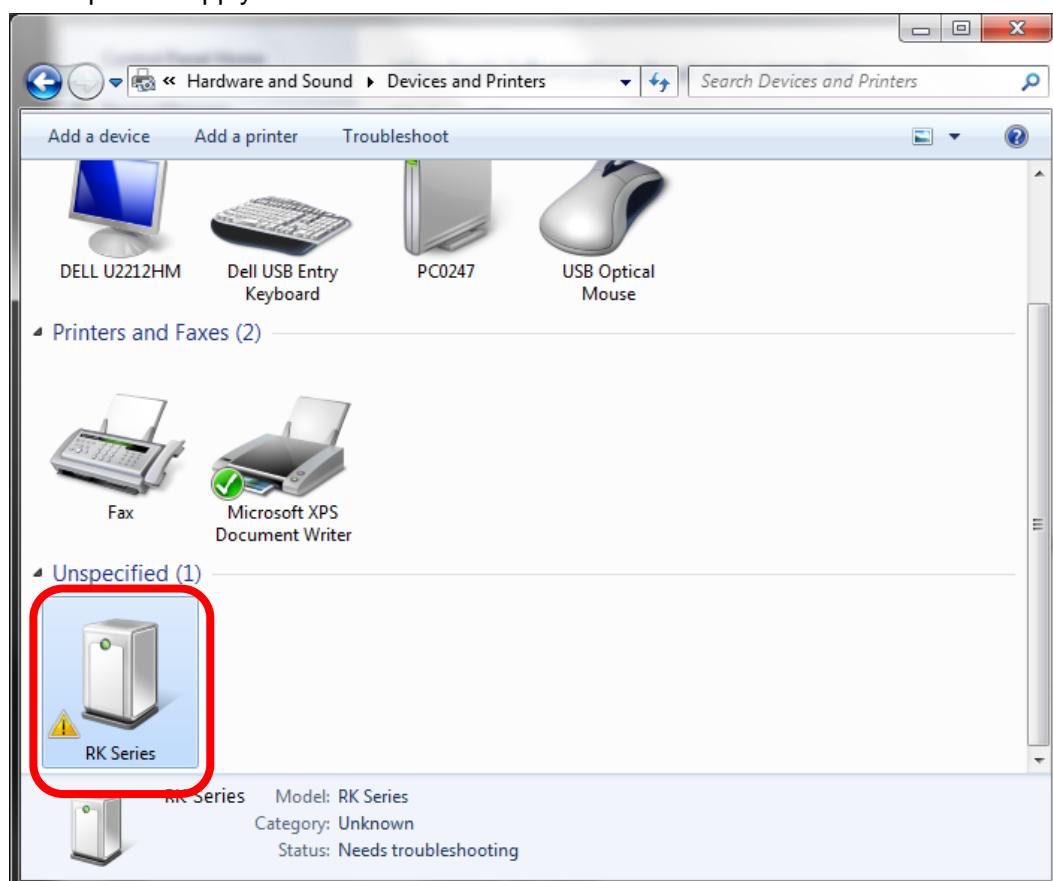
It doesn't install the device driver automatically like a direct version of device driver.
In the case of connecting the device first time, it needs to install the driver by manual.

Click <View devices and printers> in <Hardware and Sound> from Control Panel.

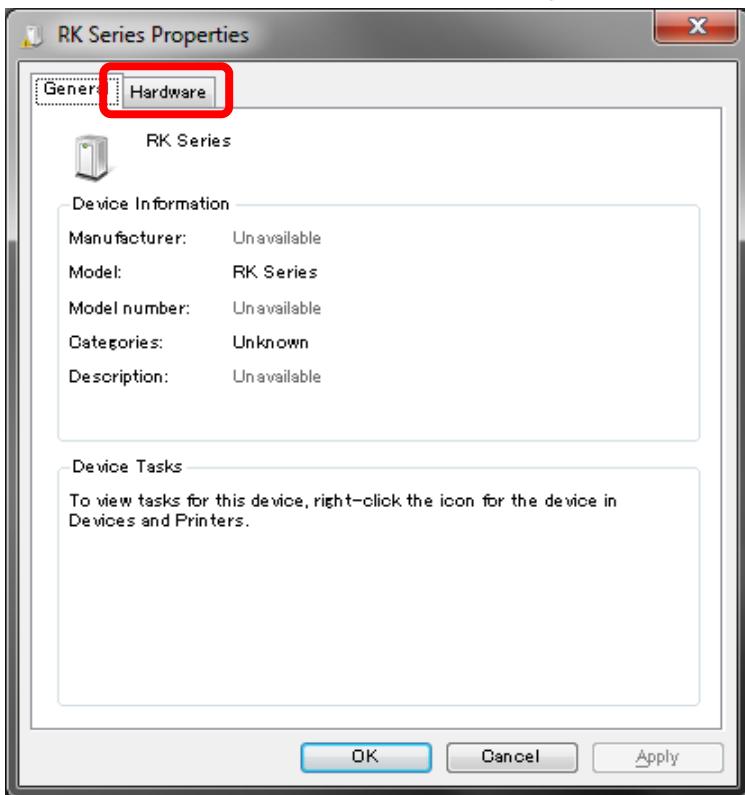


So it detected as "Unspecified", select this power supply, show property page on right click.

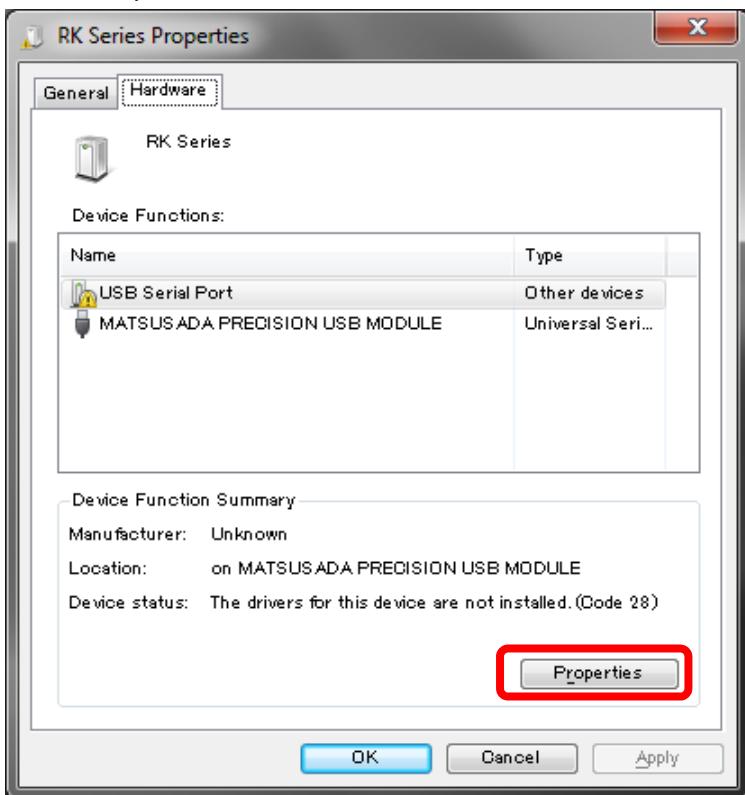
* This power supply is shown as the series name such as CO Series / RK Series ...



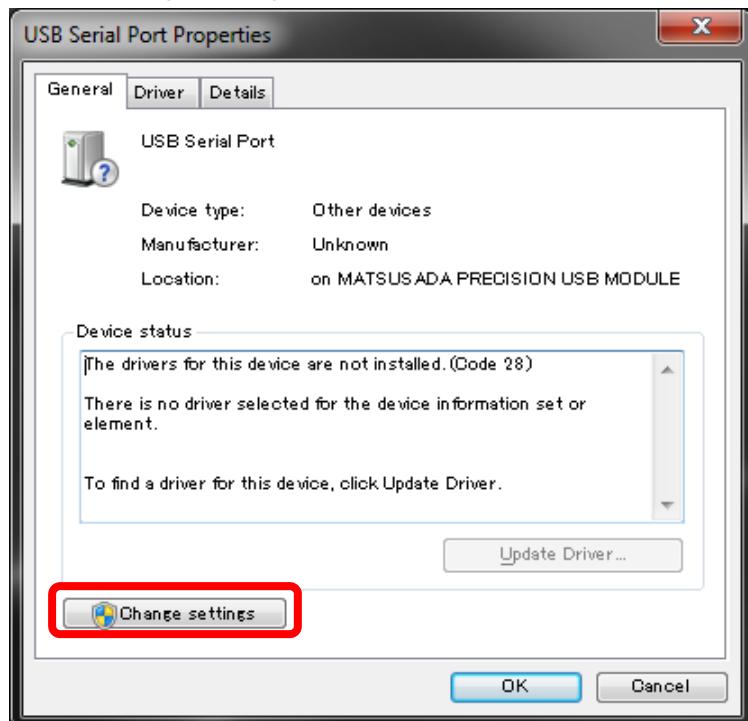
Select <Hardware> on device properties page.



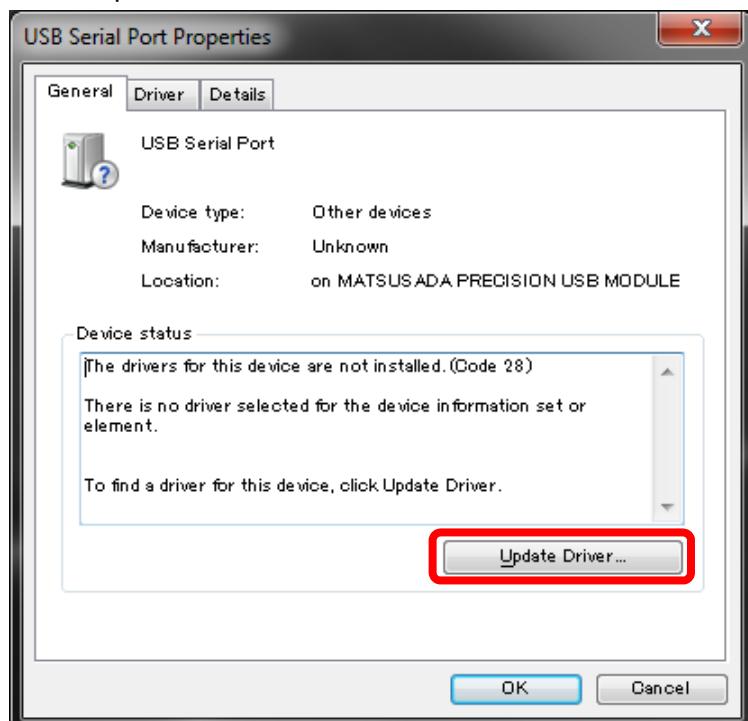
Click <Properties>.



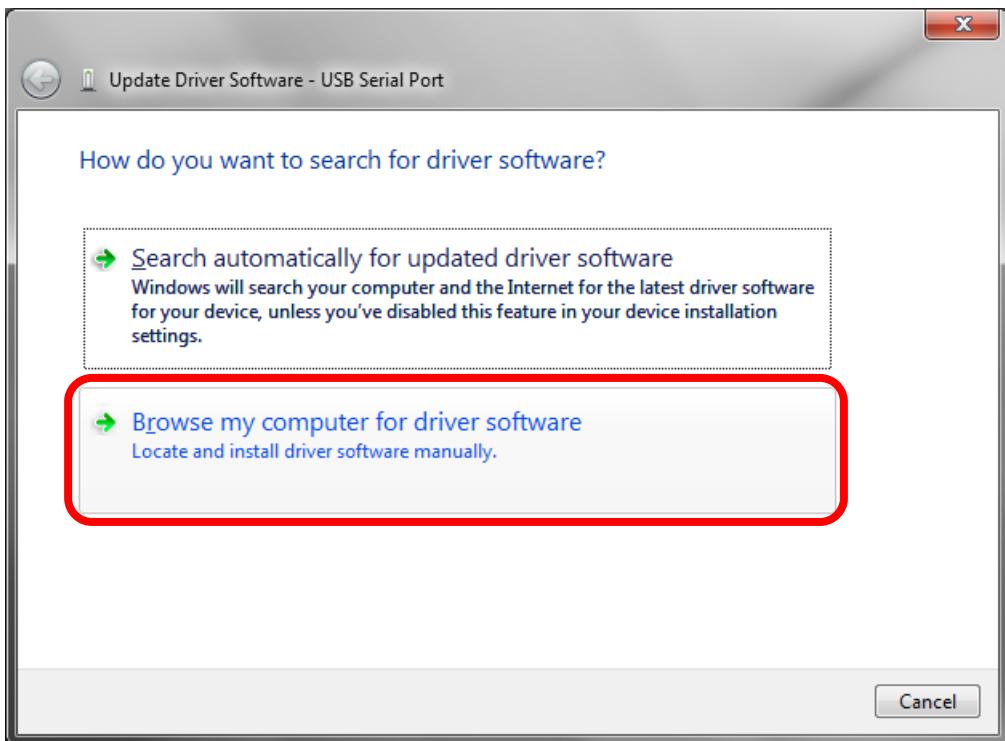
Click <Change setting>.



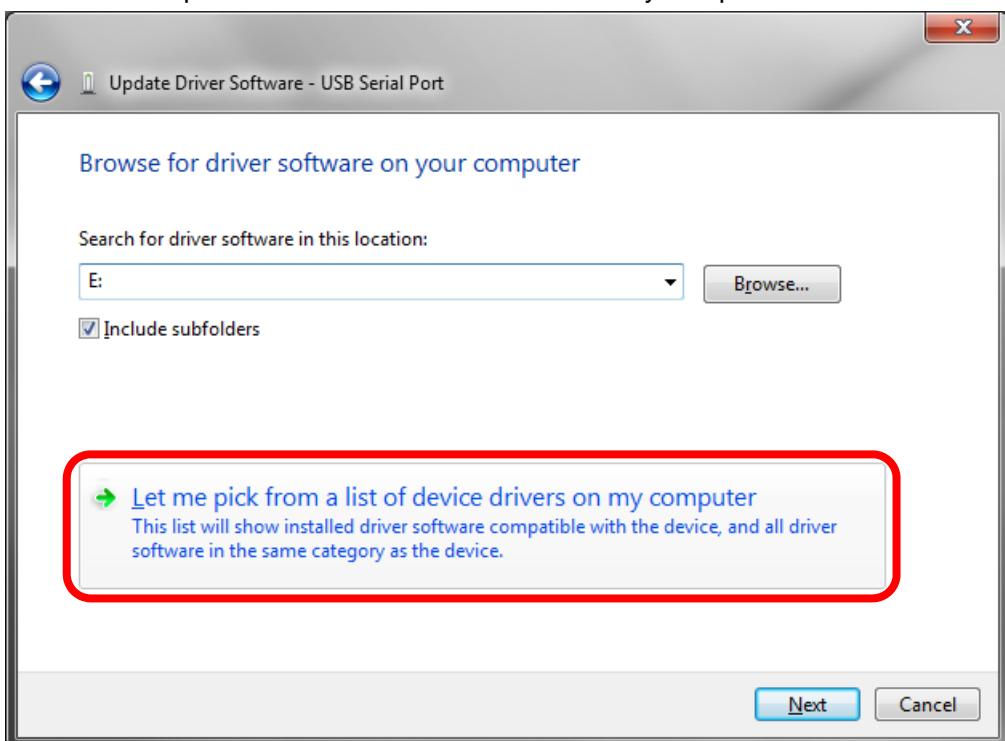
Click <Update Driver>.



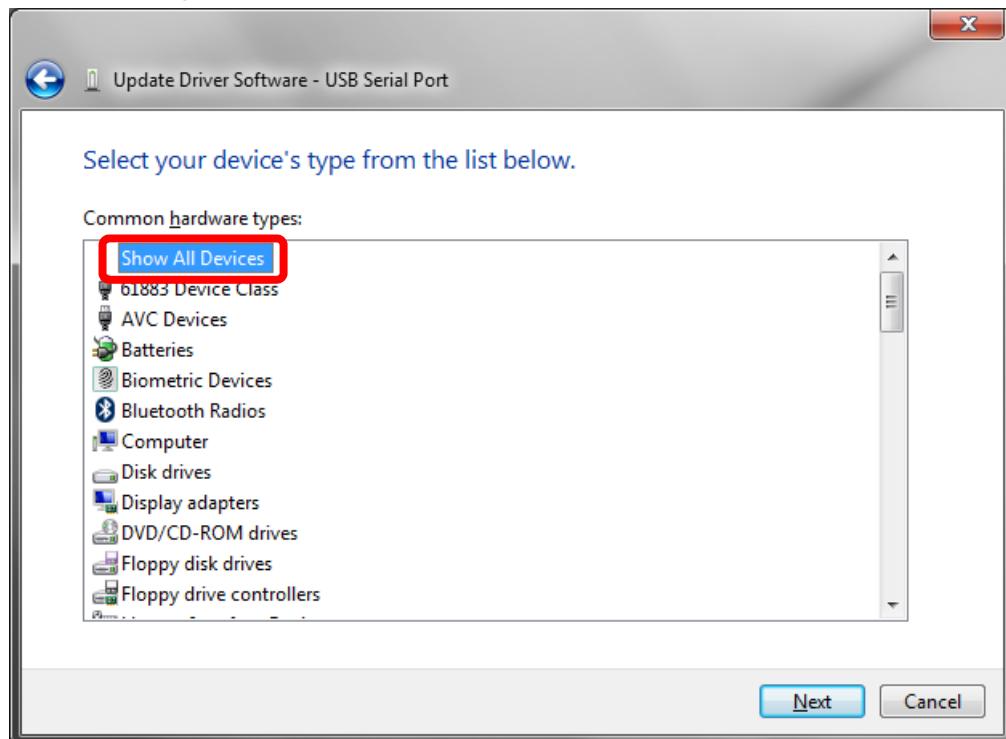
Click <Browse my computer for driver software>.



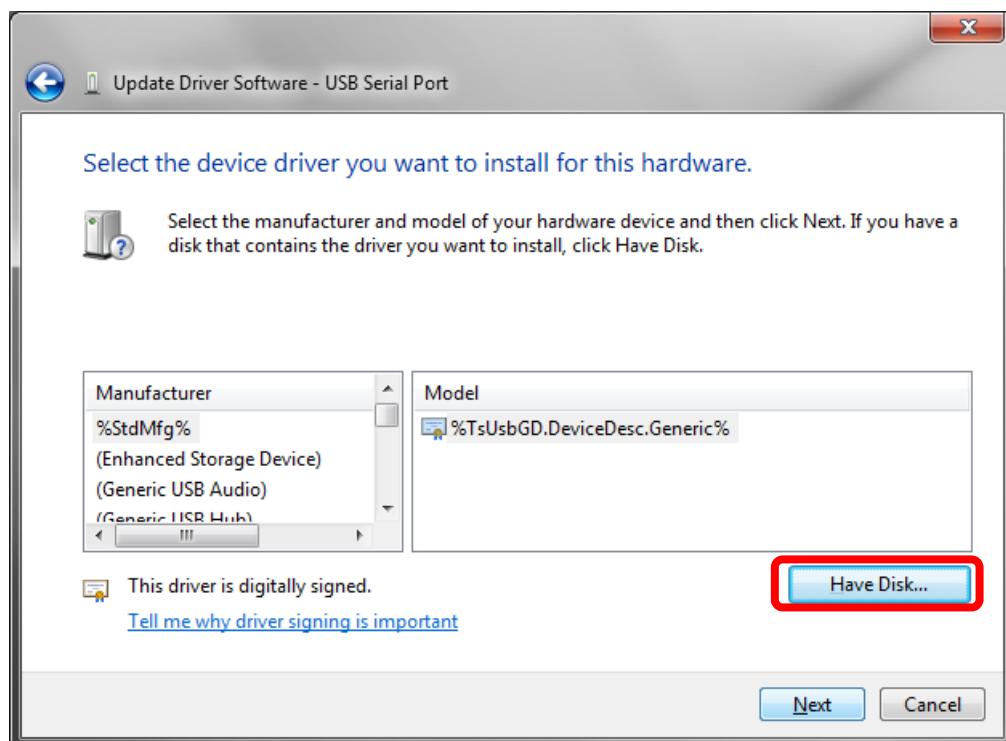
Click <Let me pick from a list of device drivers on my computer>.



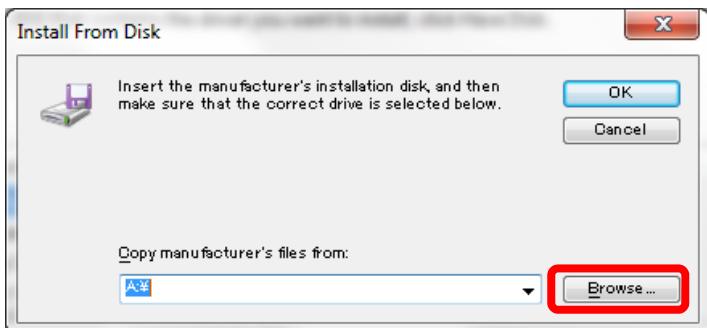
Keep selecting <Show All Devices>, click <Next>.



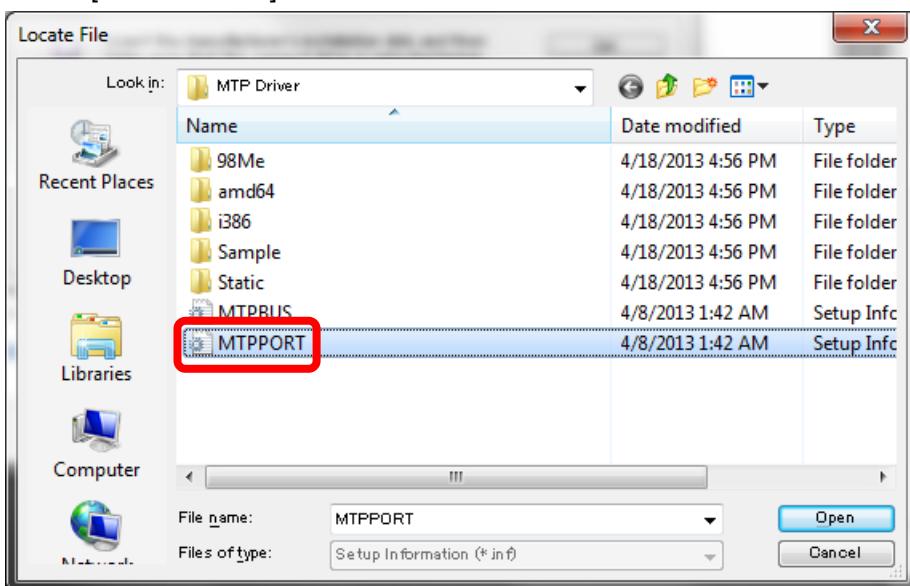
Click <Have Disk>.



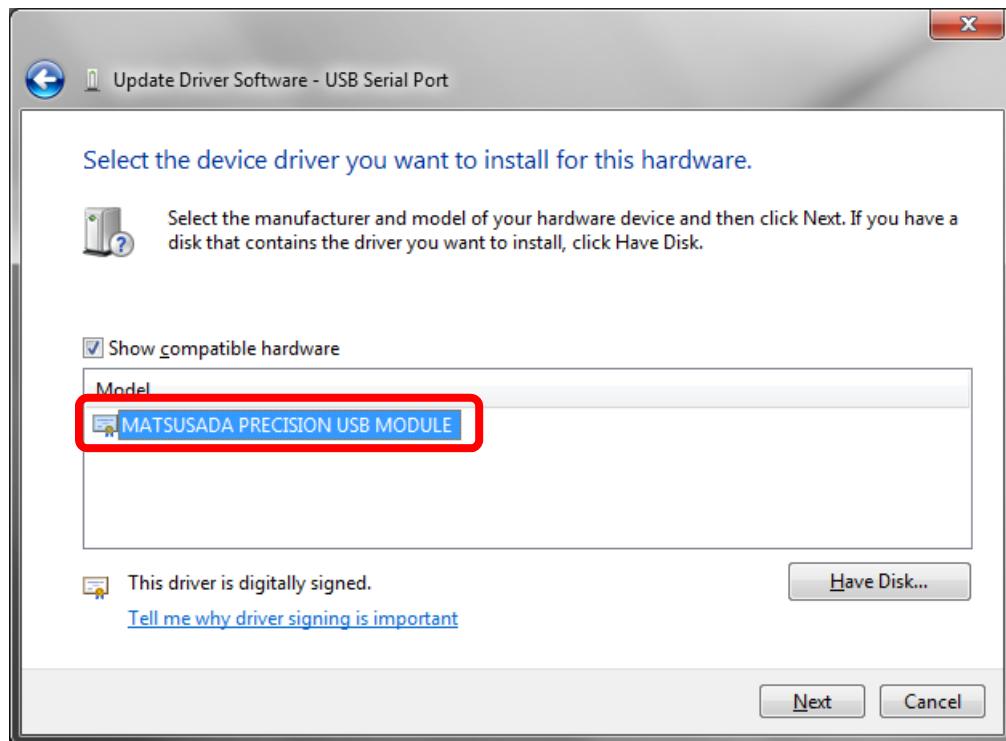
Click <Browse> to browse the CD drive.



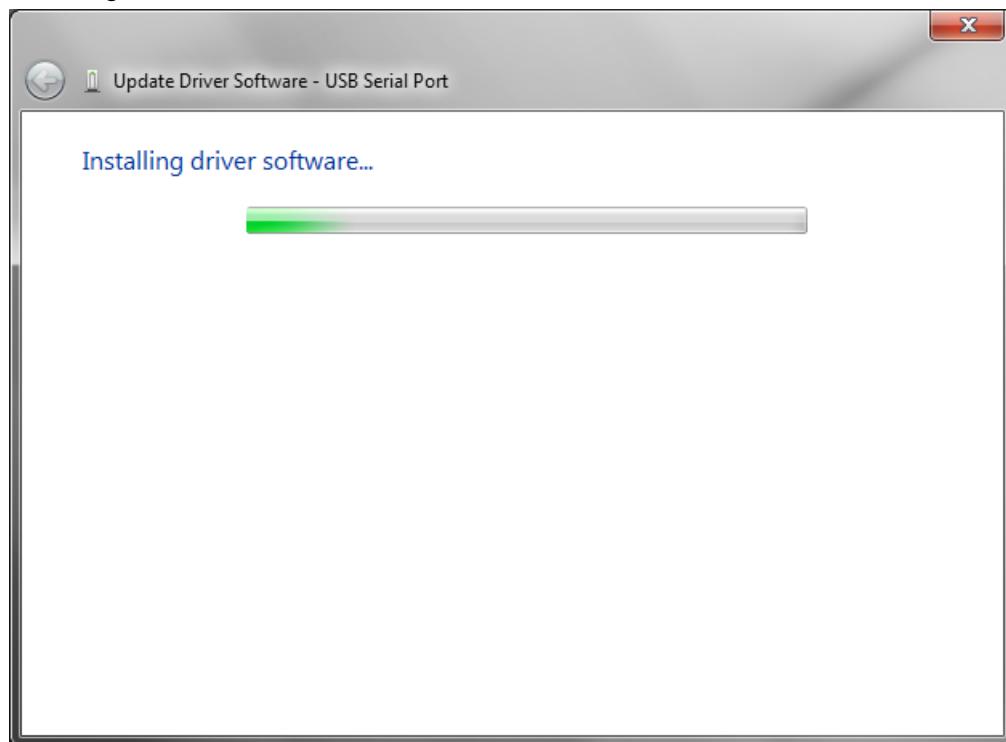
Select [MTPPORT.inf].



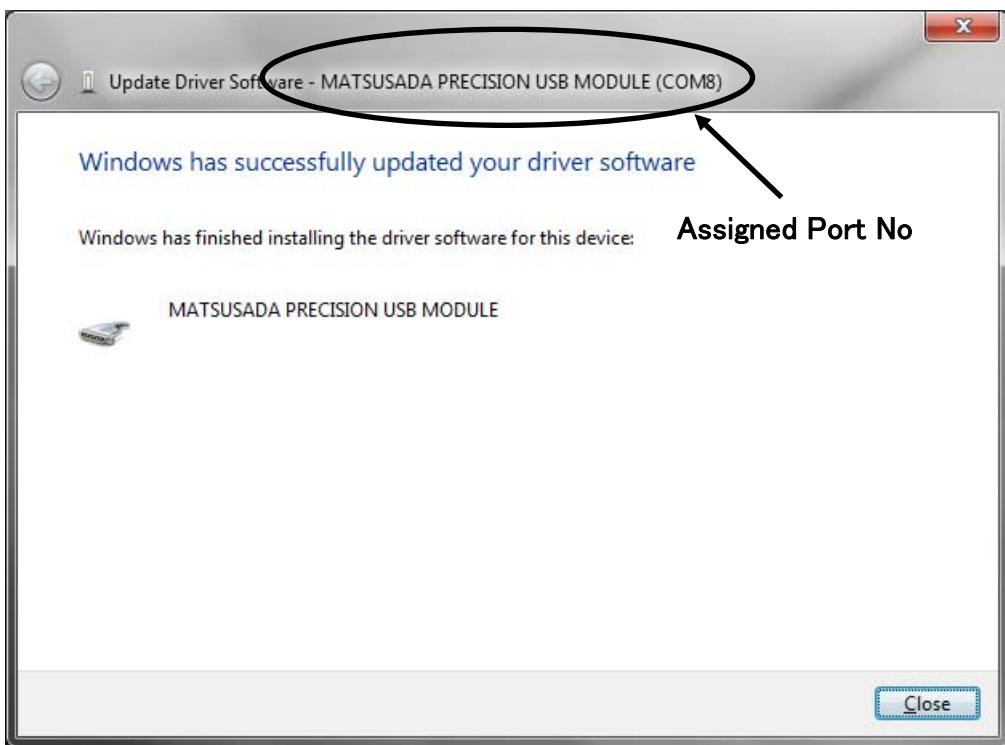
After <MATSUSADA PRECISION USB MODULE> detected, click <Next>.



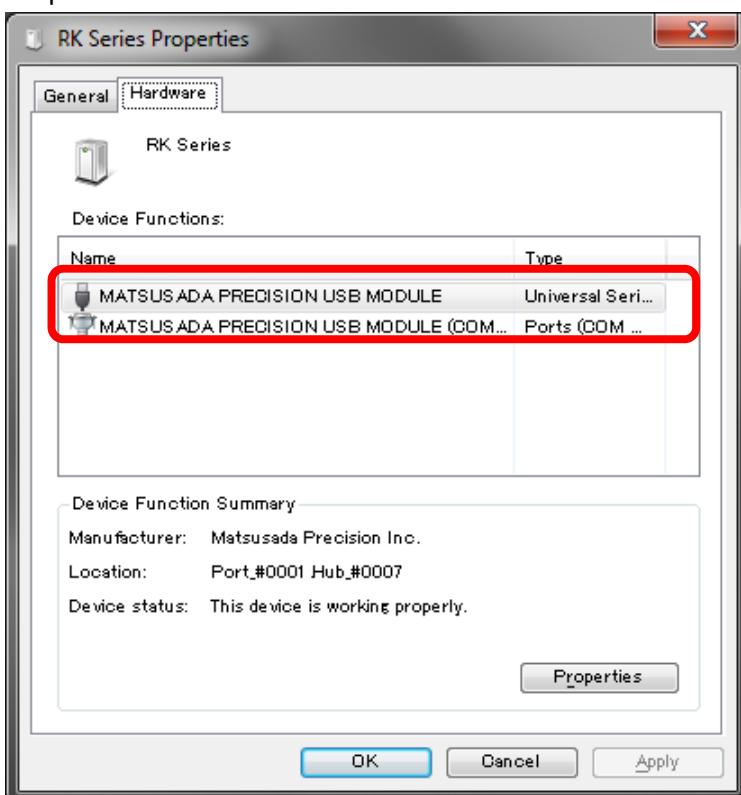
Installing device driver



When the window shows, installation of direct version of device driver is completing.
Click <Close>.



After installation completed, check that USB and virtual COM port is detected normal in Device Properties.



2-5 Driver Installation Guide (Windows Vista)

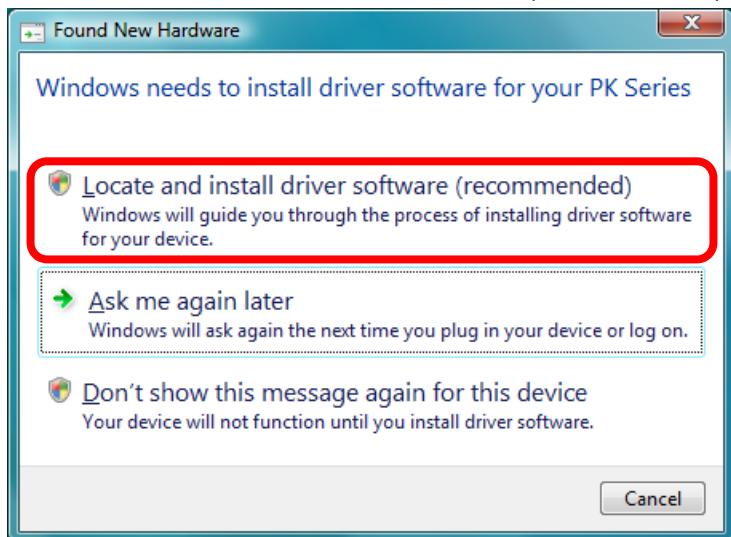
On Windows Vista, it directly specifies the driver and start install.

Driver can be installed different way which is not described on this guide, but install the driver after confirming guide to use normally.

Turn on the power of Matsusada Precision USB Device.

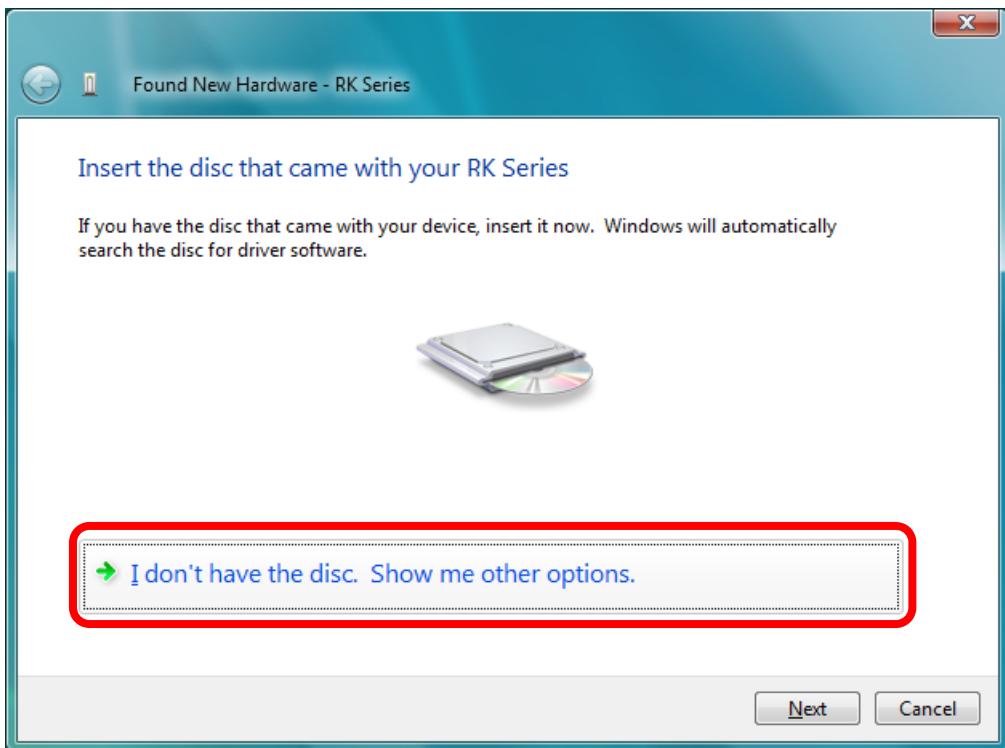
After turning on, searching screen of direct version of device driver will pop up.

Select <Locate and install driver software (recommended)>

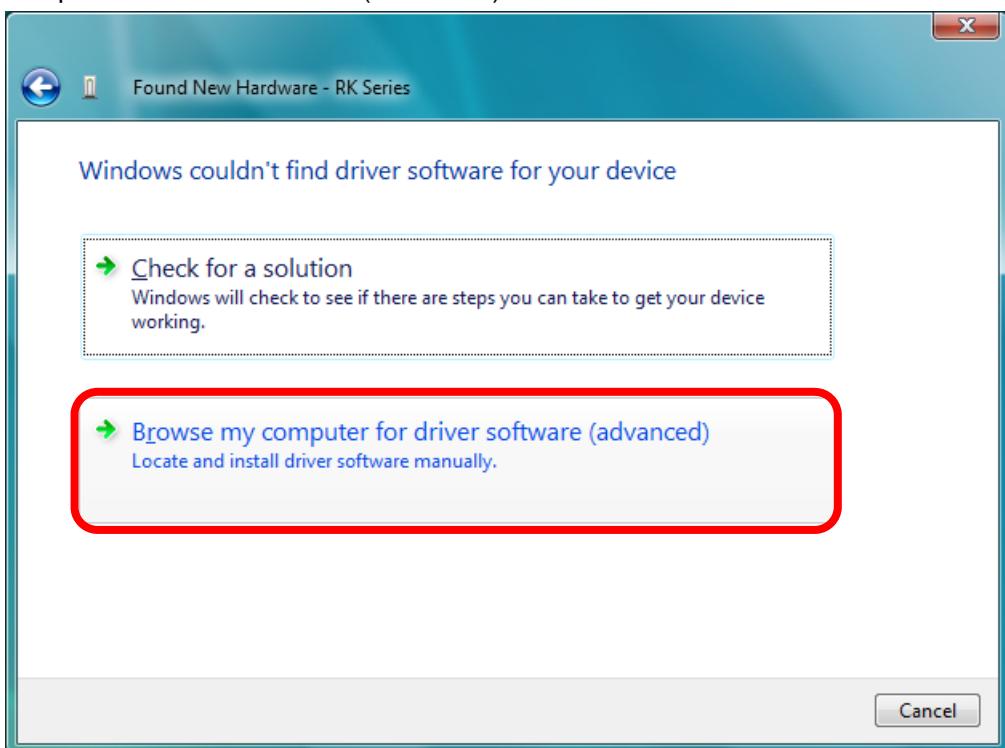


* It takes longer searching depends on usage environment.

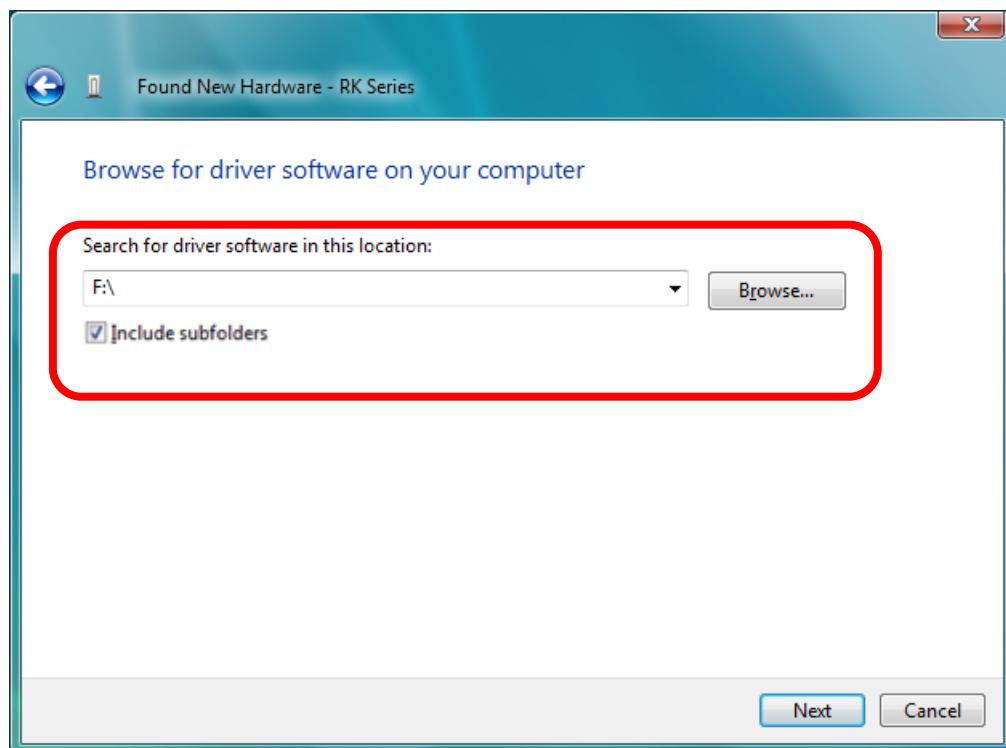
When next screen pops up, select <I don't have the disc. Show me other options. >



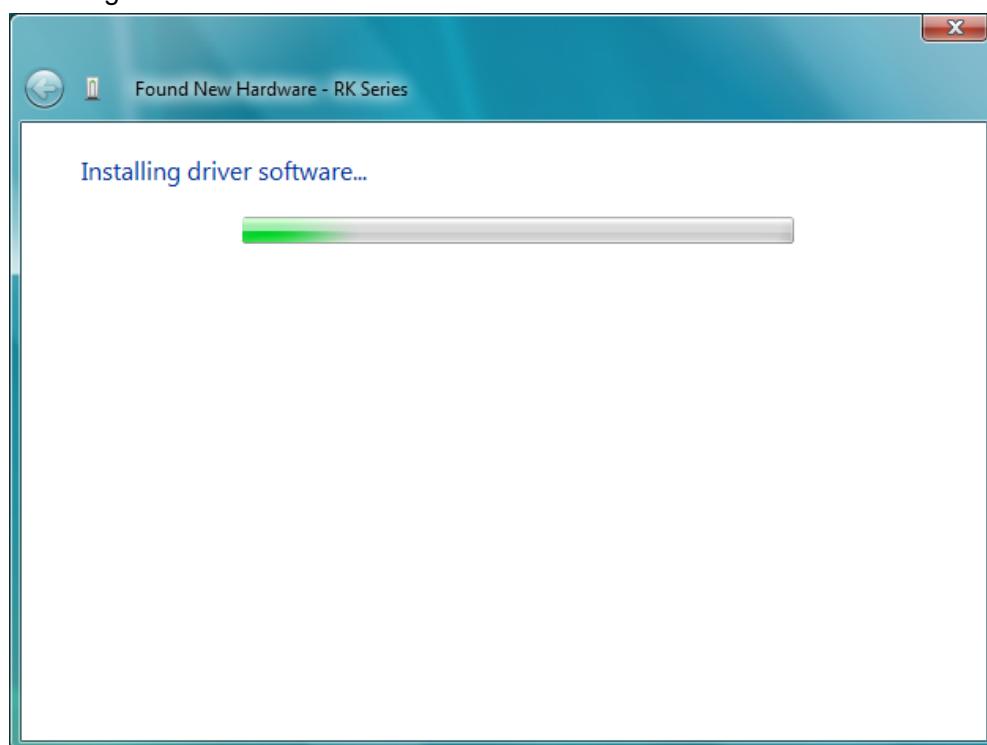
Message shows, Windows couldn't find driver software for your device, but select <Browse my computer for driver software (advanced) >



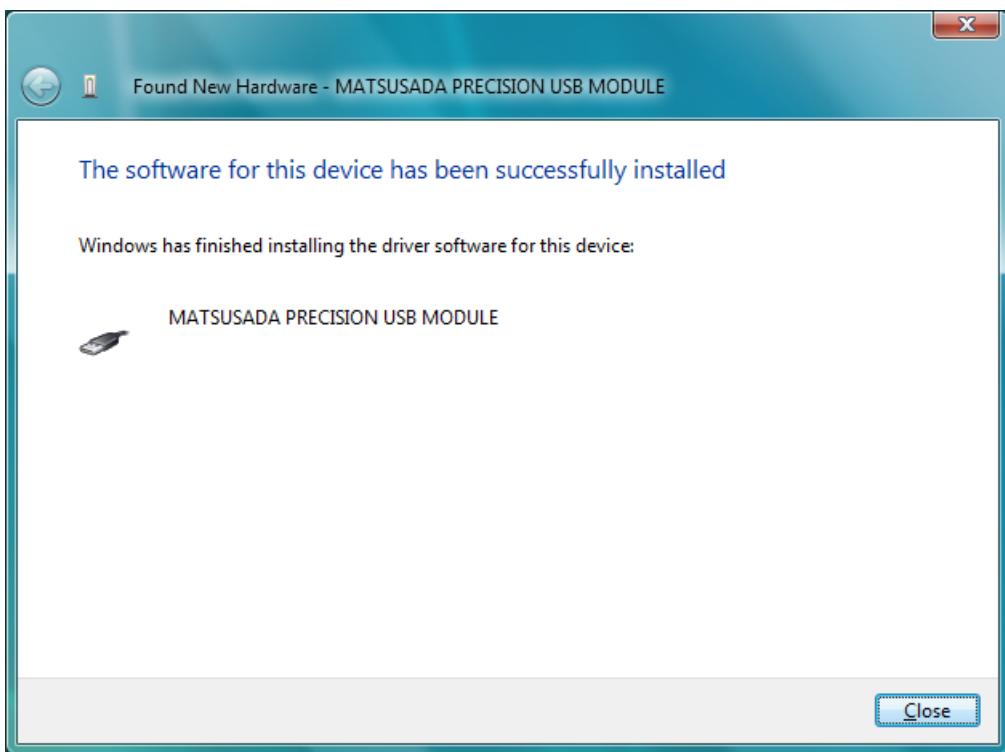
When next screen pops up, insert attached CD-ROM to computer, and select inserted CD-ROM drive on <Browse>. Click <next>.



Installing device driver

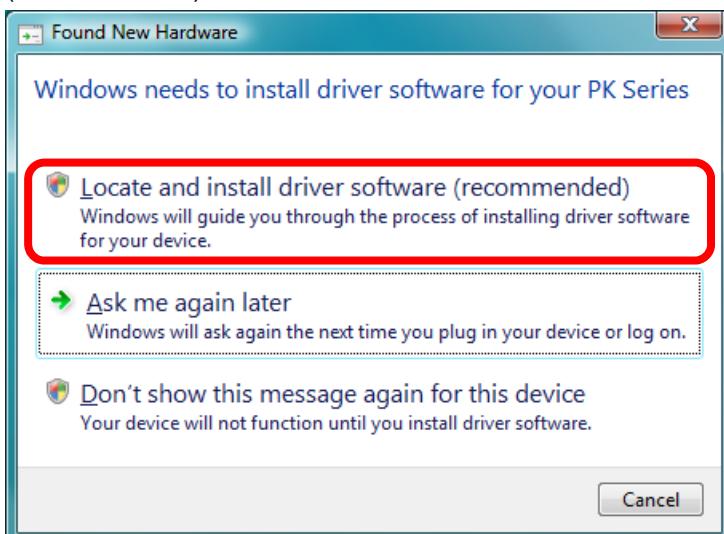


When end screen displays, the installation of direct version of device driver is completed. Click <Close>.



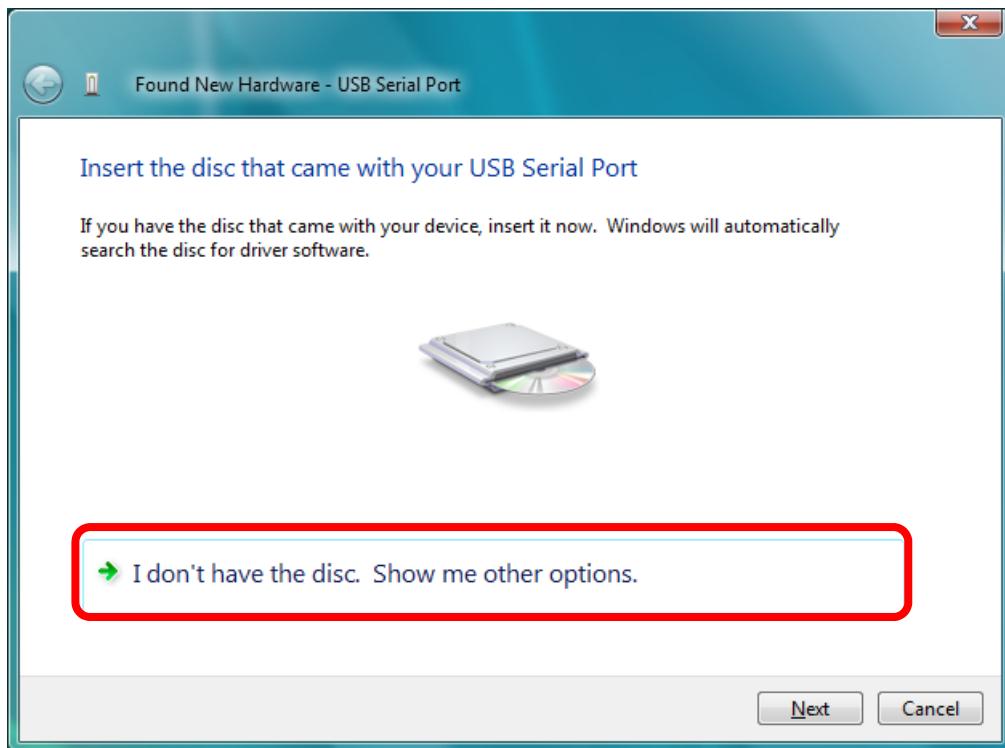
After completing the installation of direct version of device driver, the installation of virtual COM port version of device driver starts.

In the same way for the instillation of virtual COM port, select <Locate and install driver software (recommended)>

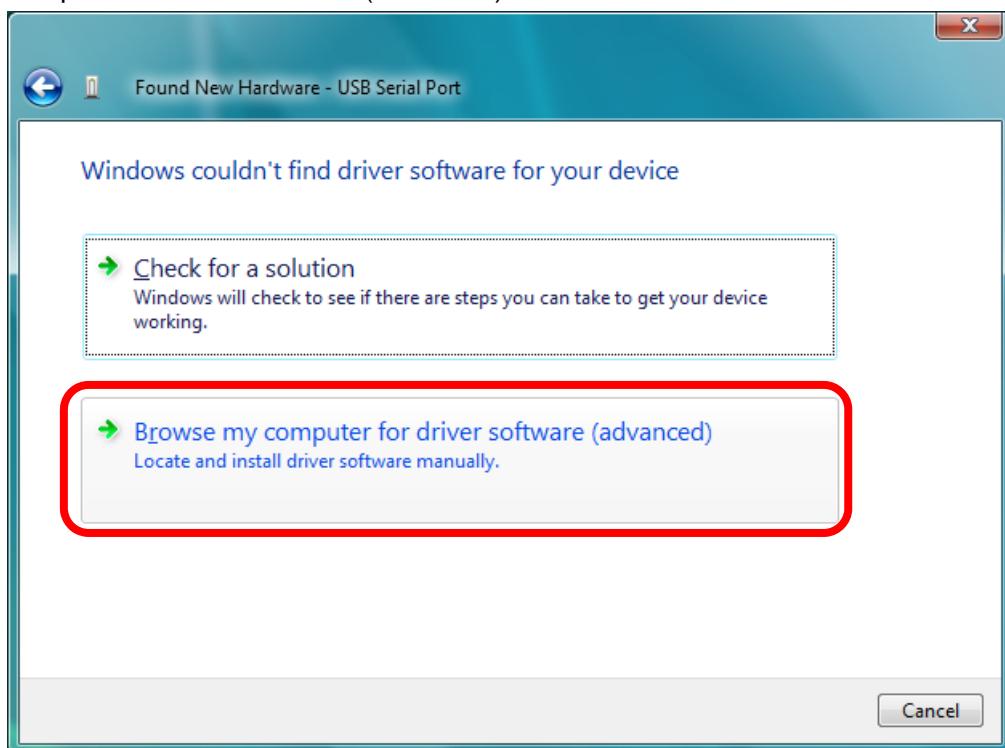


* It takes longer searching depends on usage environment.

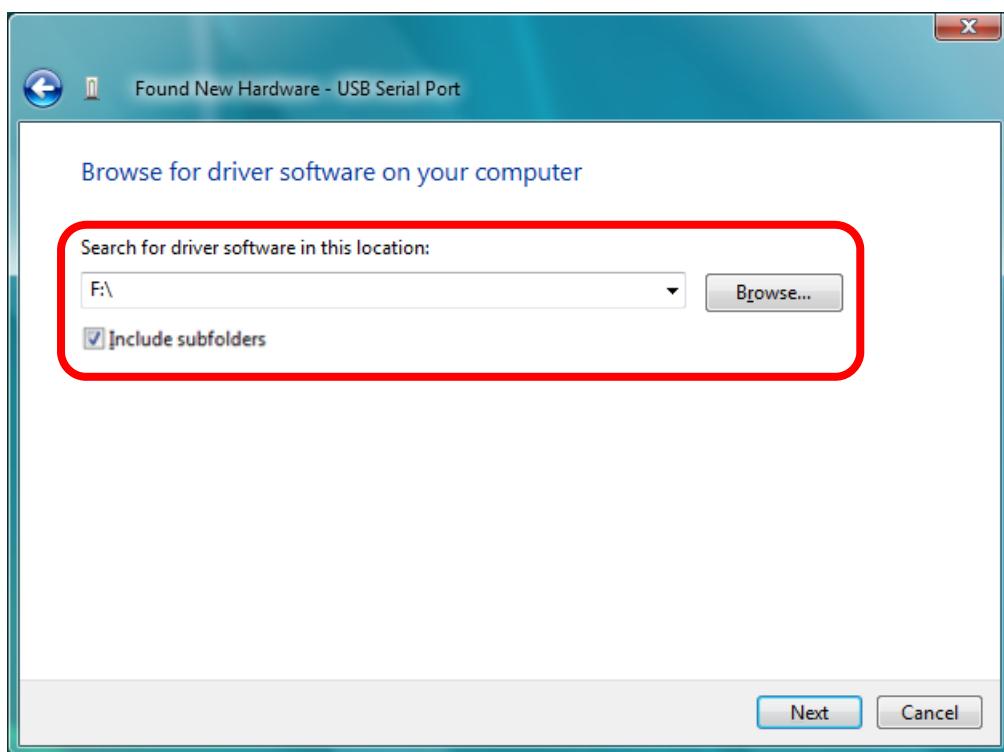
Select <I don't have the disc. Show me other options. > and <Next>.



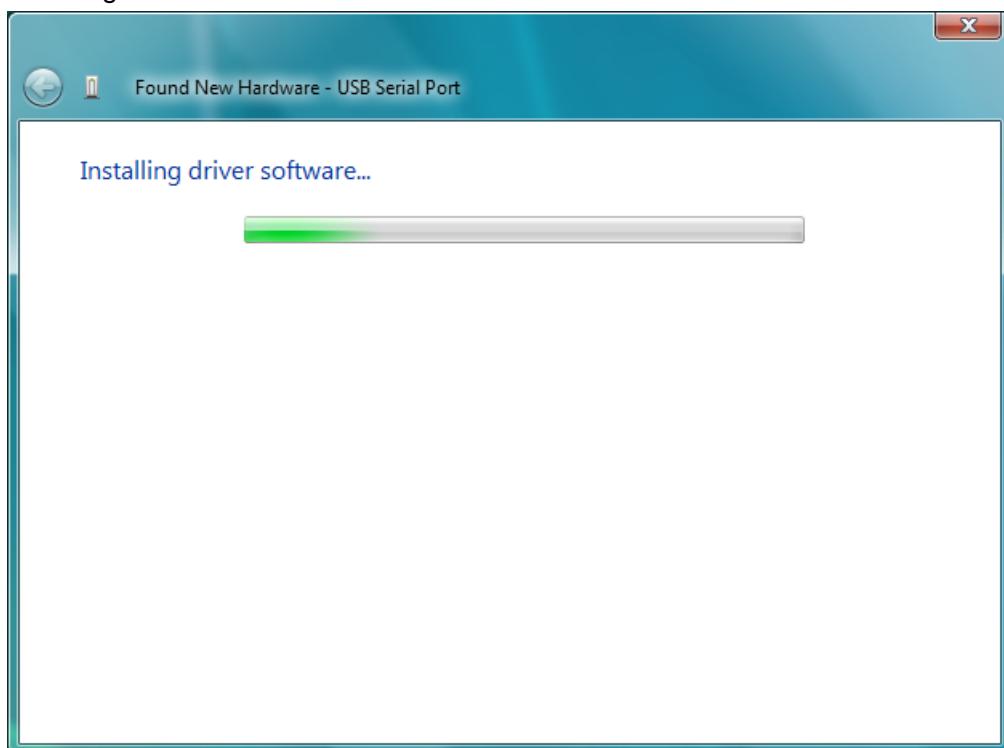
Message shows <Windows couldn't find driver software for your device>, but select <Browse my computer for driver software (advanced)>.



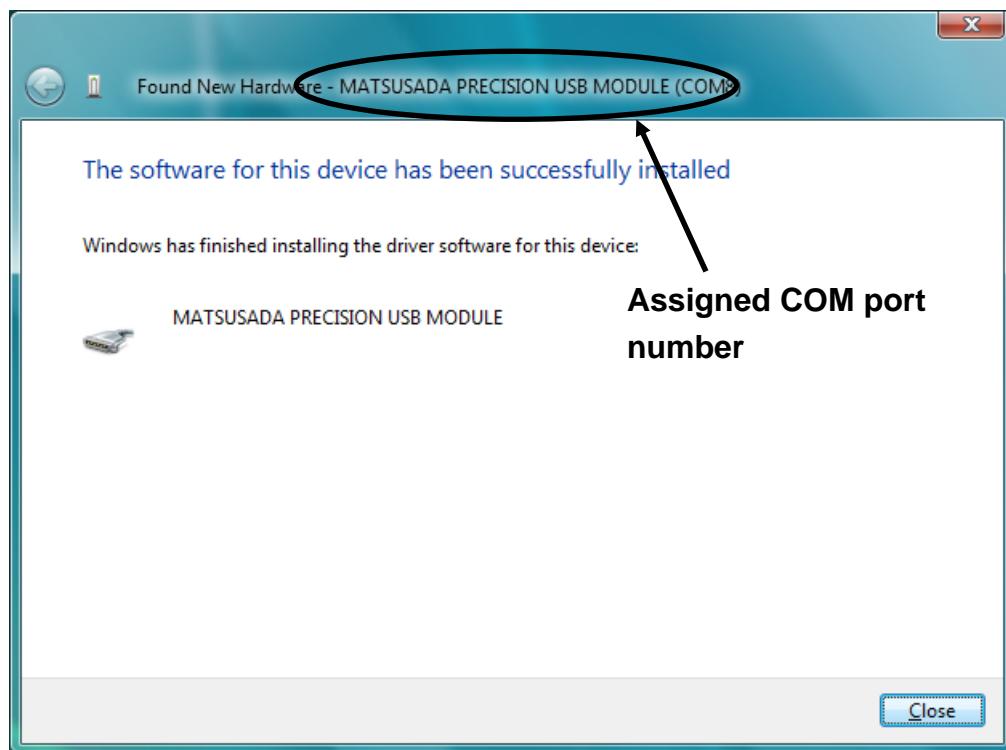
When next screen displays, insert attached CD-ROM to computer, and select inserted CD-ROM drive on <Browse>. Click <Next>.



Installing device driver



When end screen displays, the installation of virtual COM port version of device driver is completed. Assigned COM port number on virtual COM port is indicated as installed driver name. Click <close>.

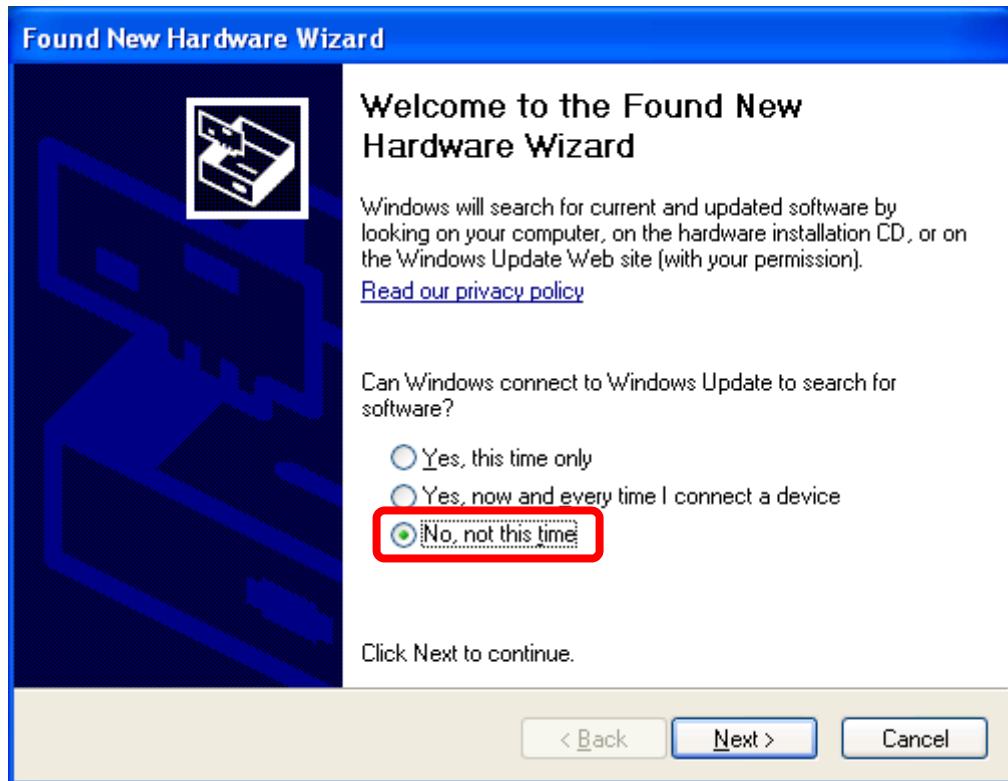


2-6 Driver Installation Guide (Windows XP)

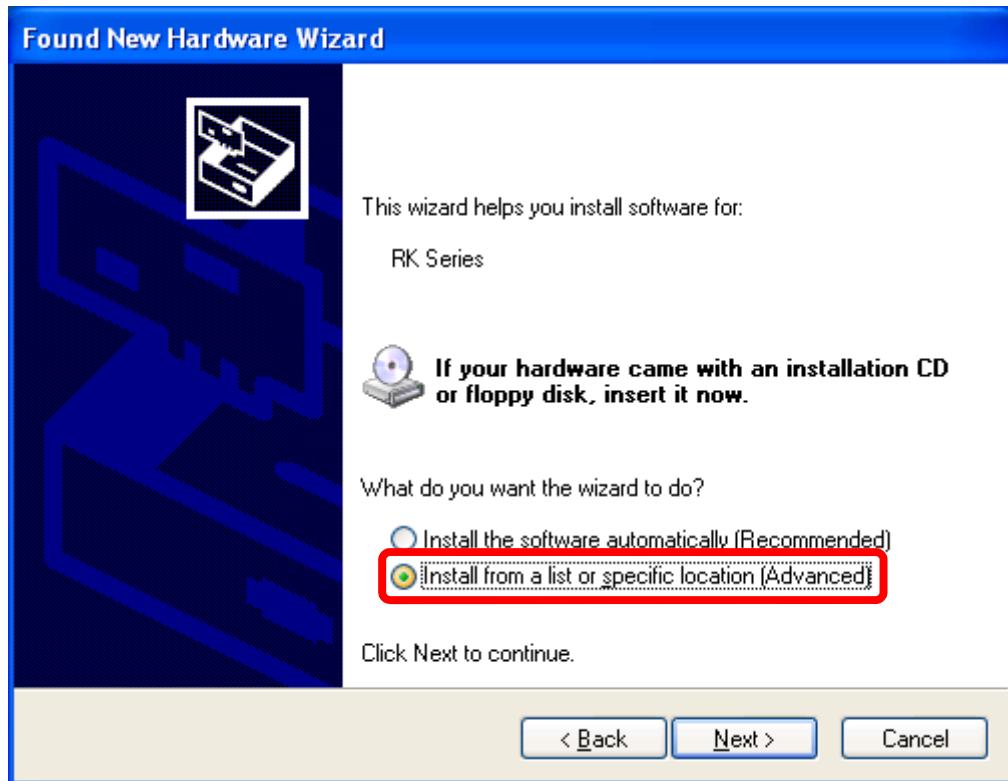
Turn on the power of Matsusada Precision USB Device.

After turning on, searching screen of direct version of device driver will pop up.

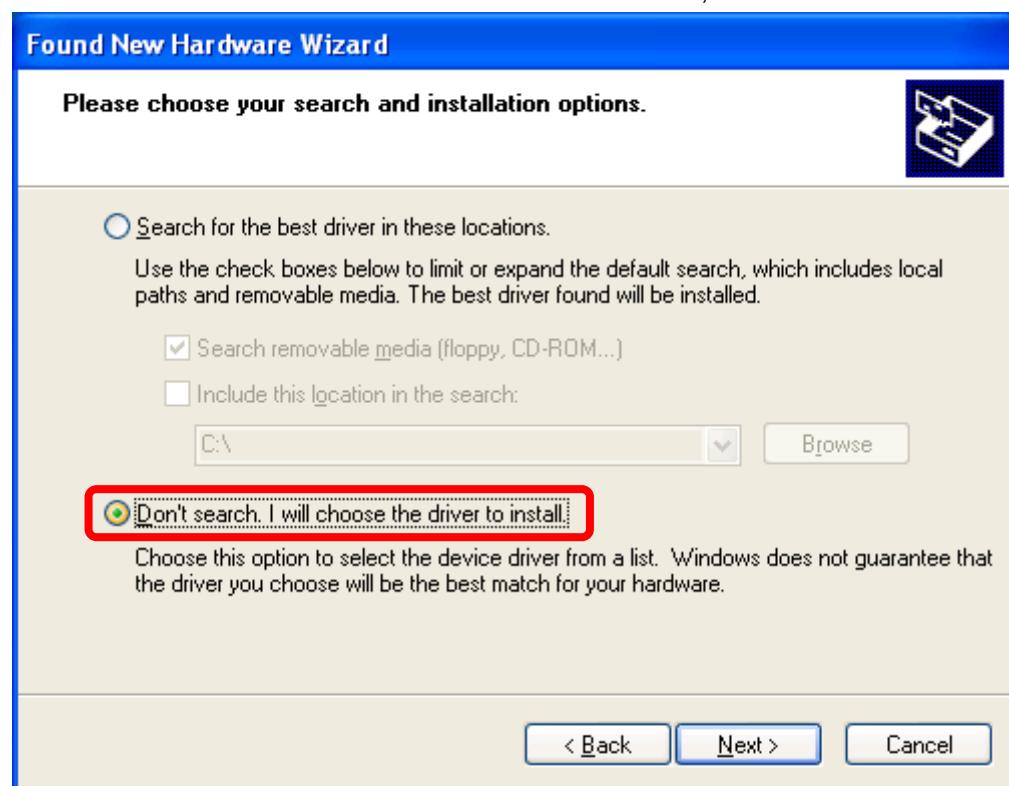
For Windows Update, check <No, not this time>, and click <Next>.



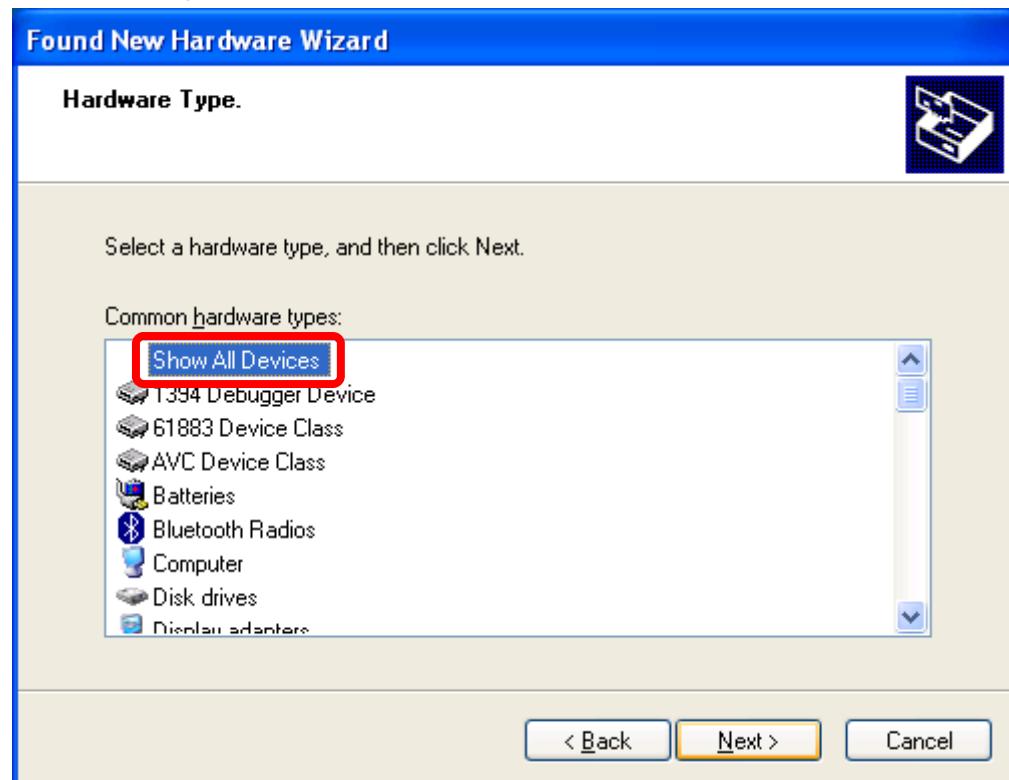
Check < Install from a list or specific location [Advanced] >, and click <Next>.



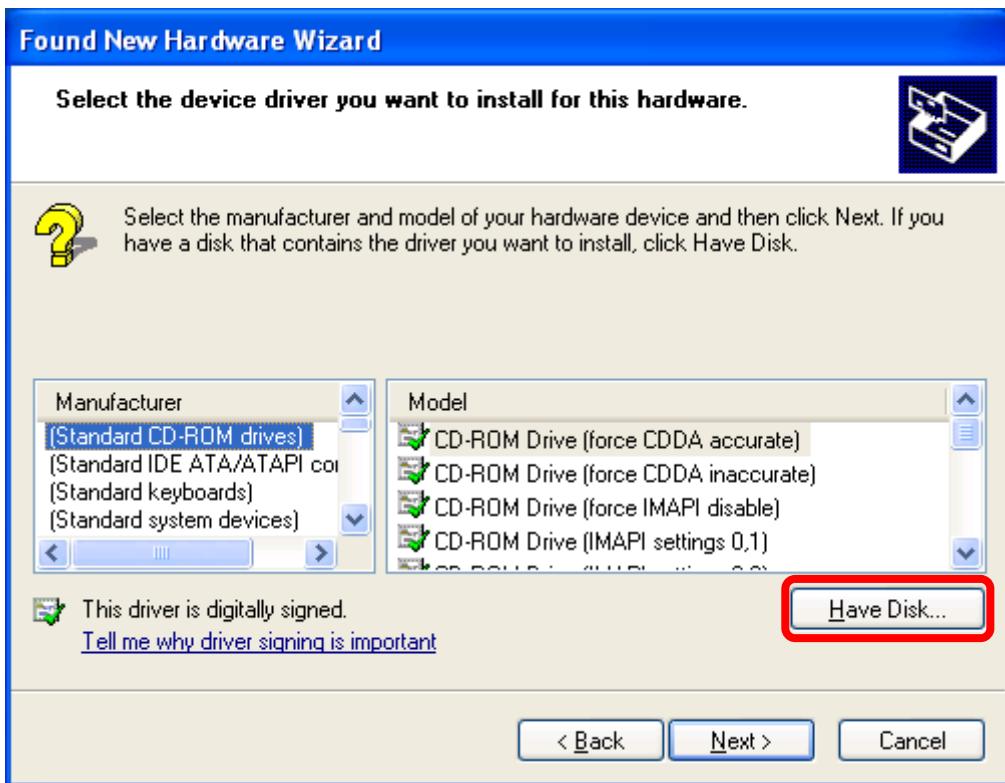
When the window shows, insert the attached CD-ROM to the PC.
Check <Don't search. I will choose the driver to install.>, and click <Next>.



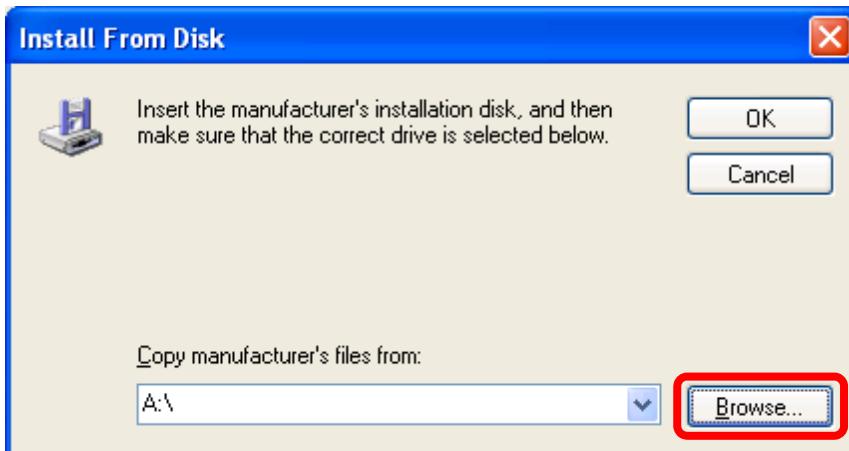
Keep selecting <Show All Devices>, click <Next>.



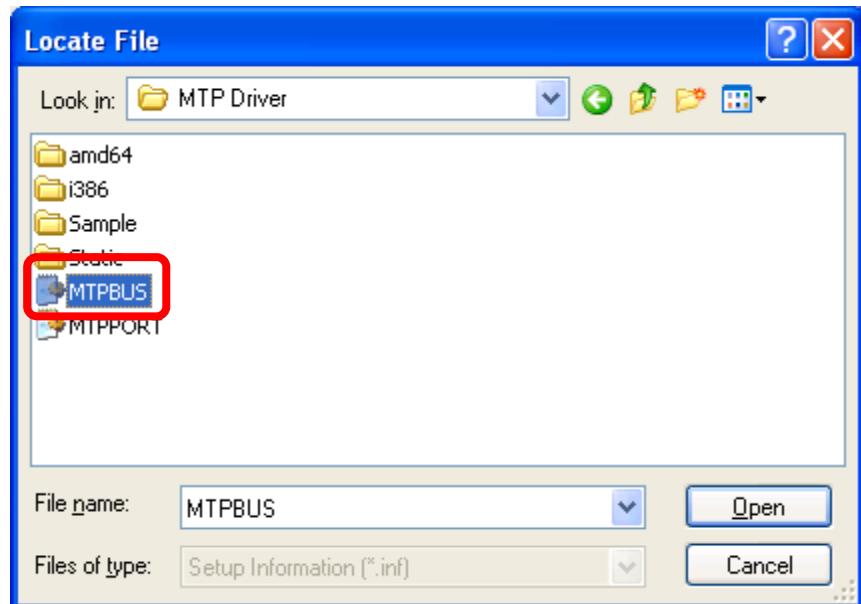
Click <Have Disk>.



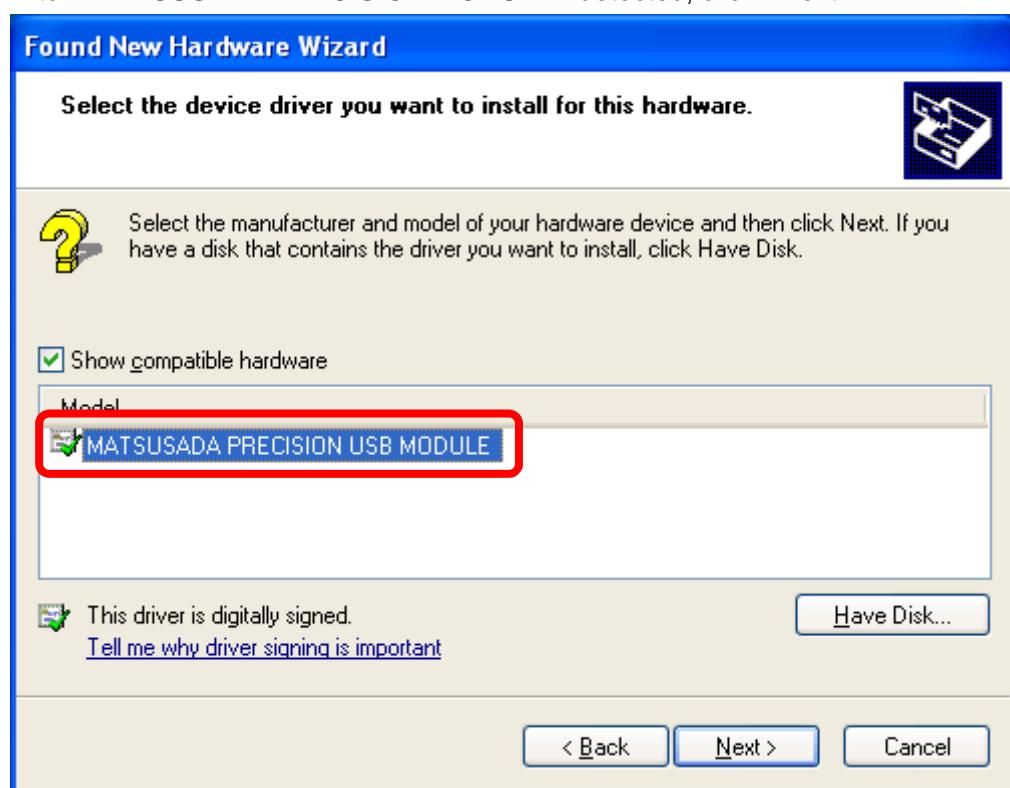
Click <Browse> to browse the CD drive.



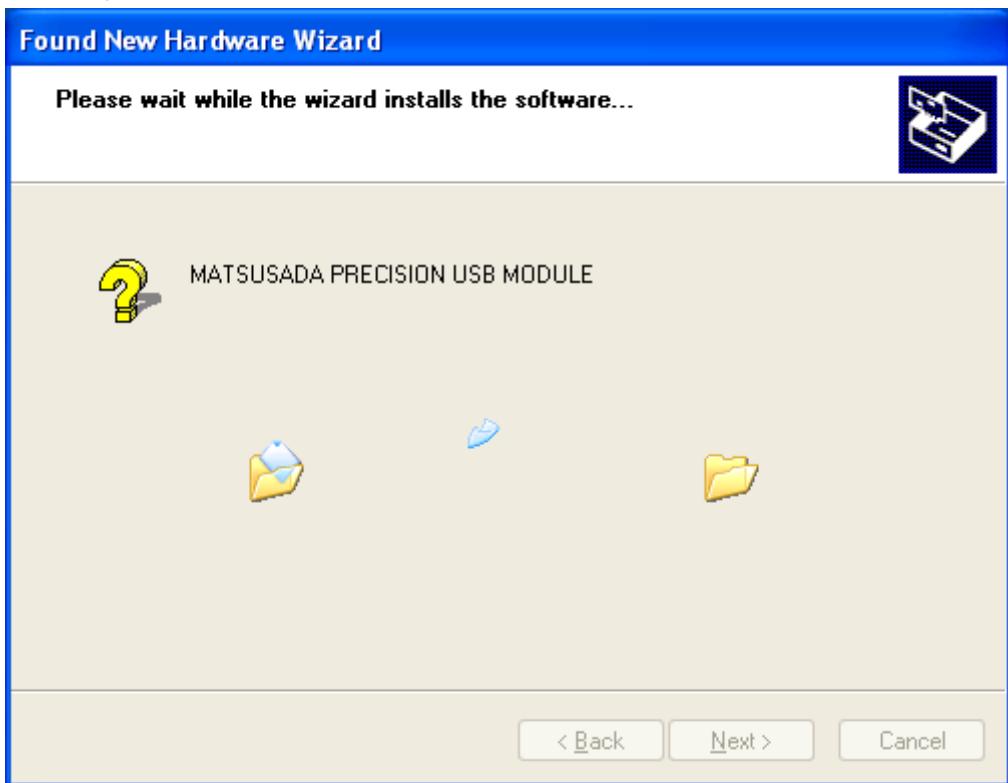
Select [MTPBUS.inf].



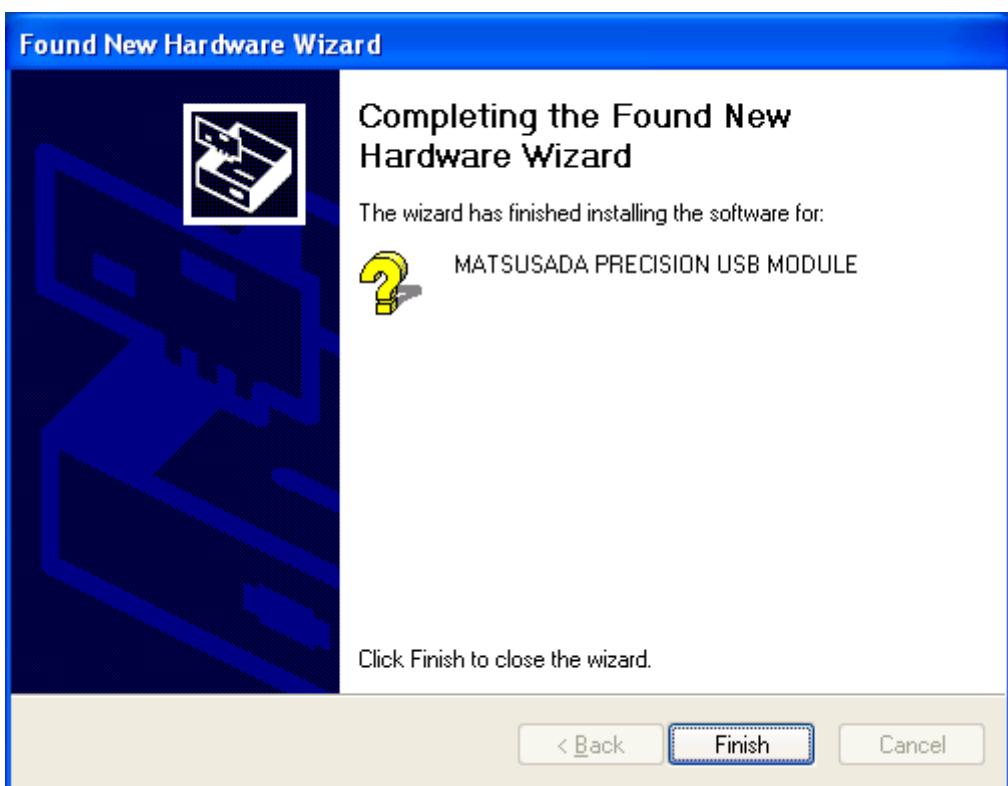
After <MATSUMADA PRECISION MODULE> detected, click <Next>.



Installing device driver

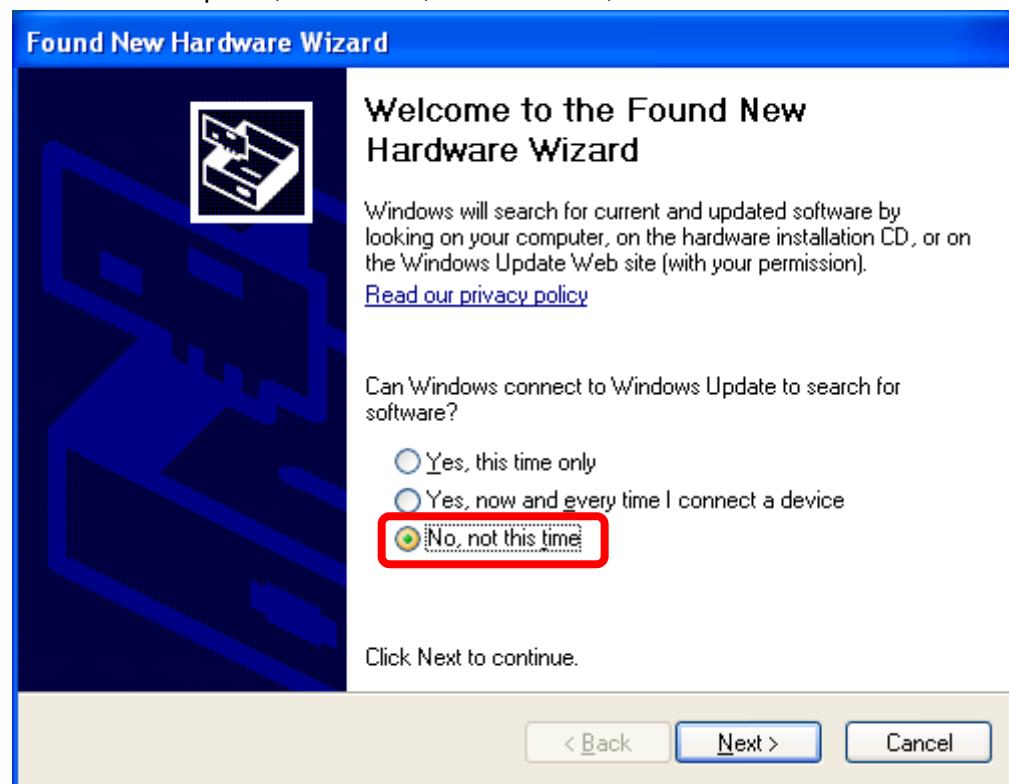


When the window shows, installation of direct version of device driver is completing.
Click <Finish>.

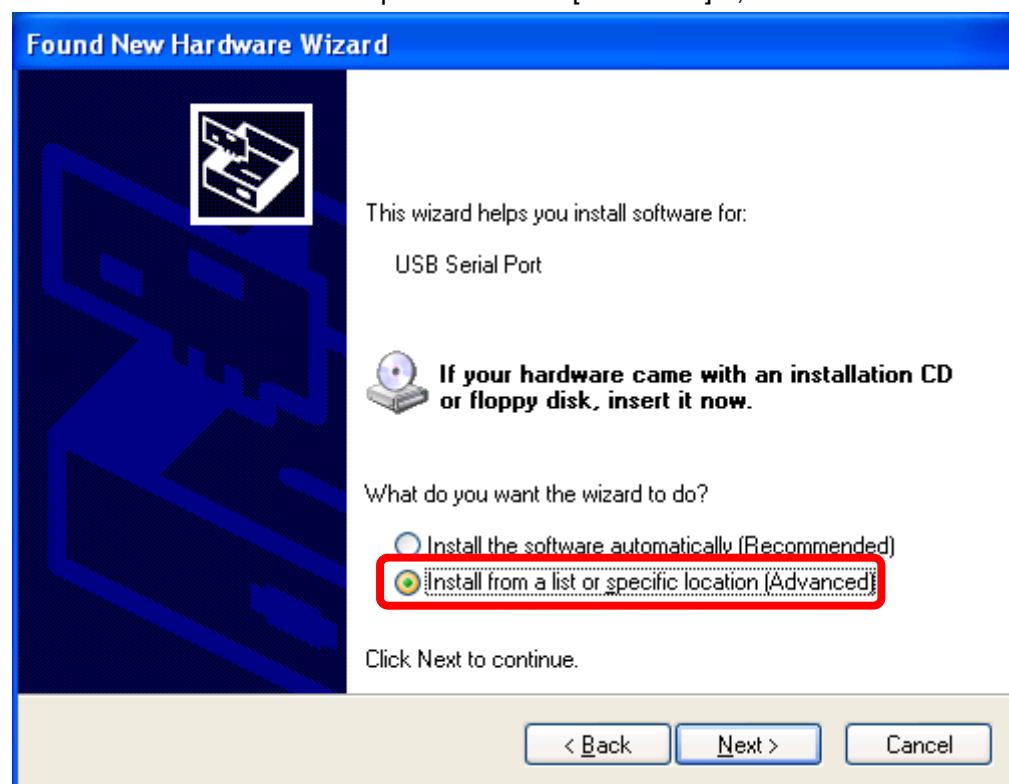


After completing the installation of direct version of device driver, the installation of virtual COM port version of device driver starts.

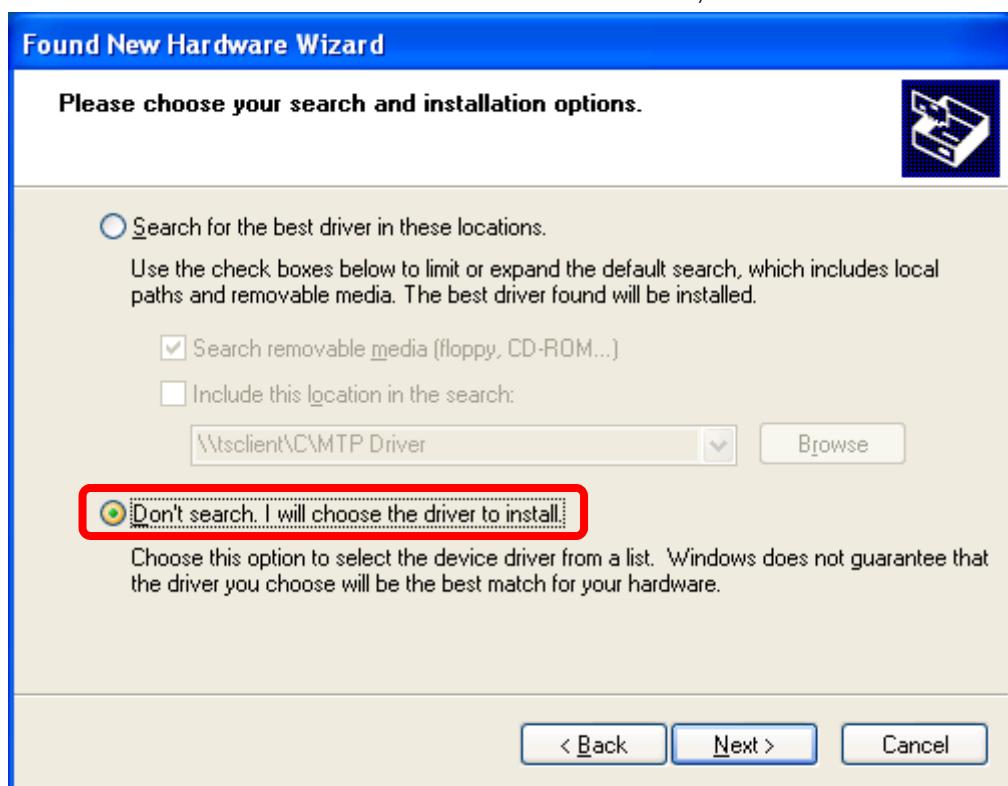
For Windows Update, check <No, not this time>, and click <Next>.



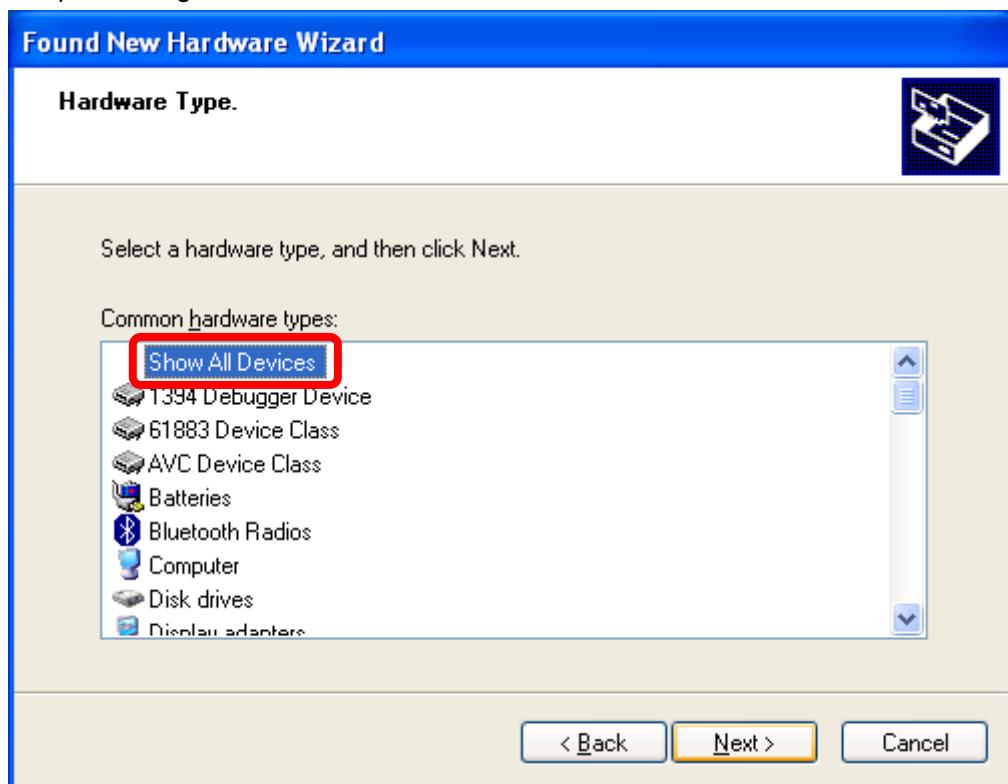
Check < Install from a list or specific location [Advanced] >, and click <Next>.



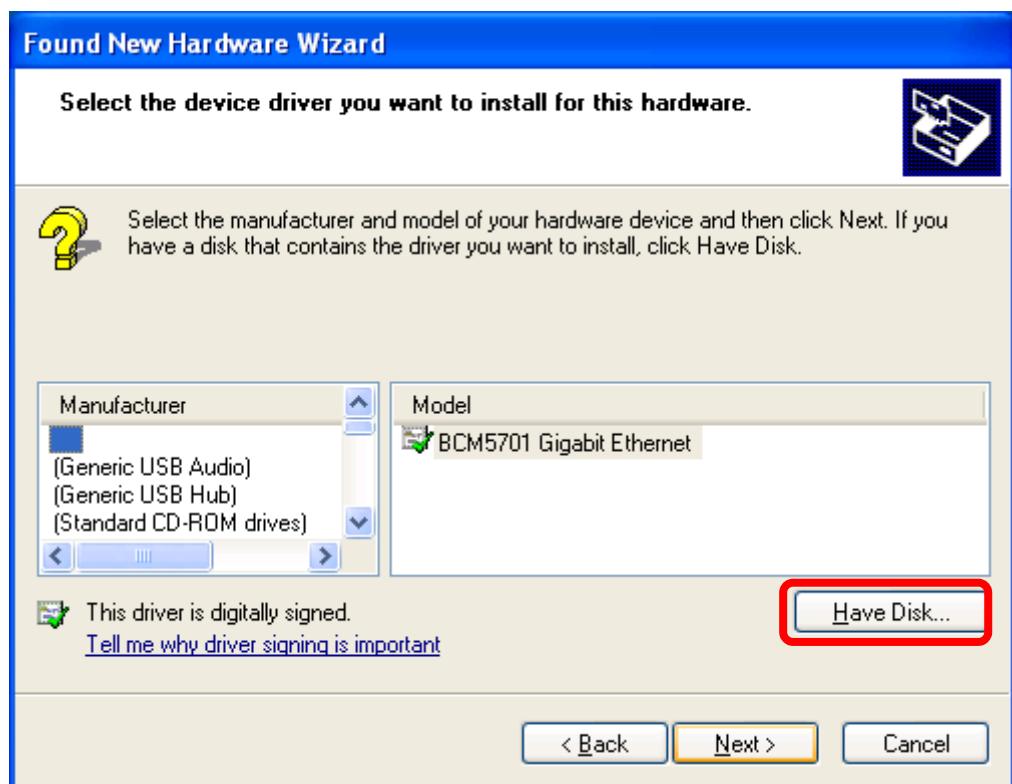
When the window shows, insert the attached CD-ROM to the PC..
Check <Don't search. I will choose the driver to install.>, and click <Next>.



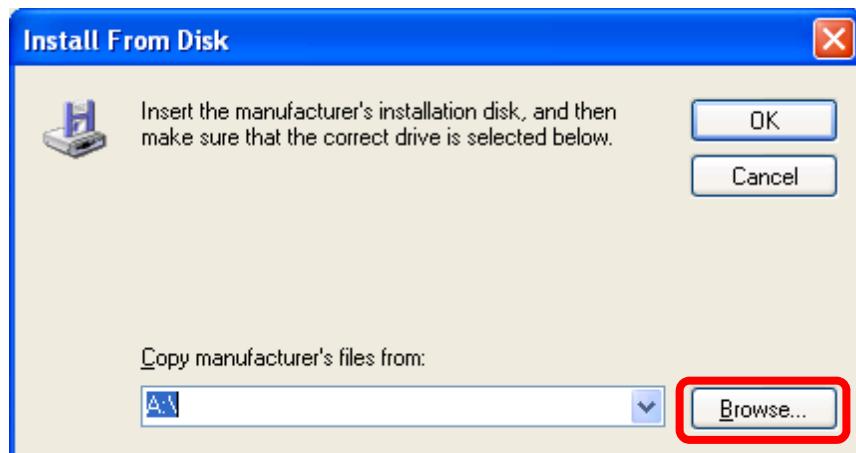
Keep selecting <Show All Devices>, click <Next>.



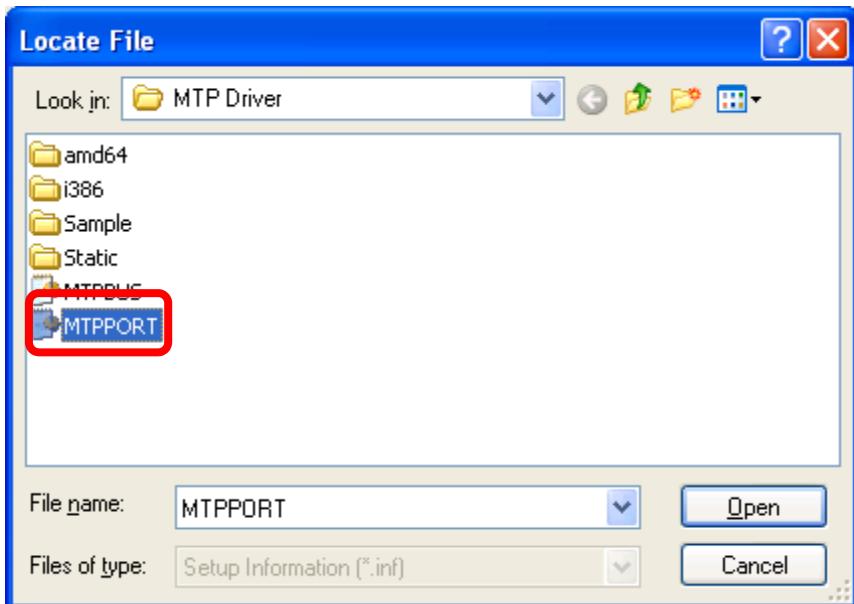
Click <Have Disk>.



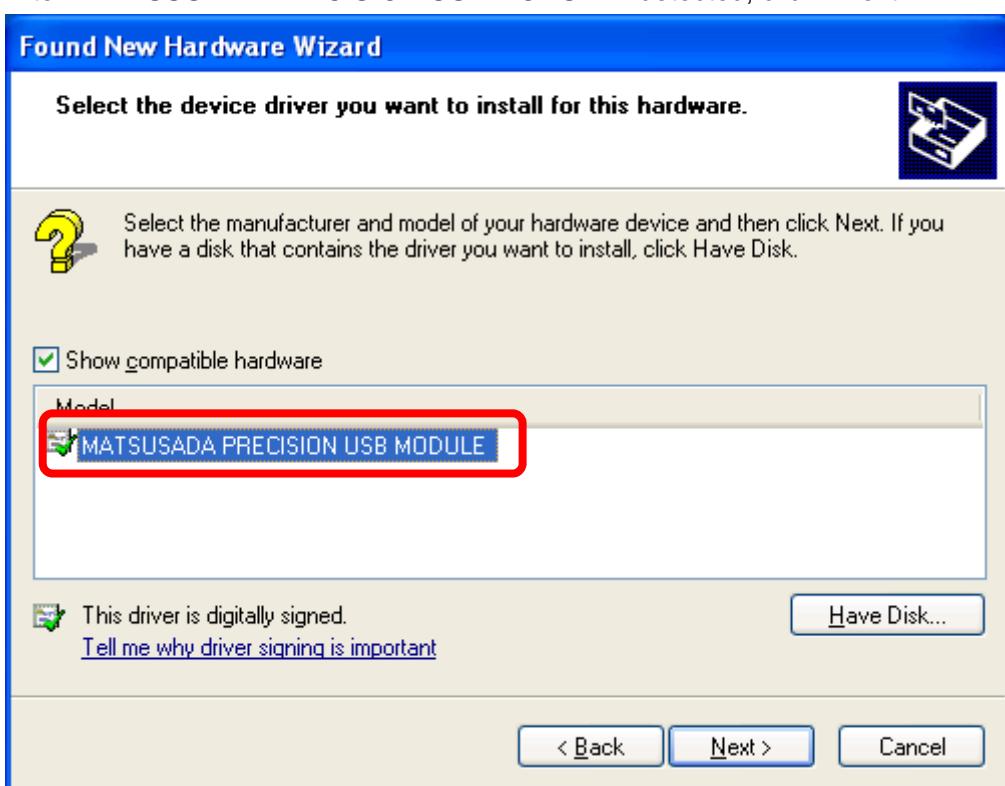
Click <Browse> to browse the CD drive.



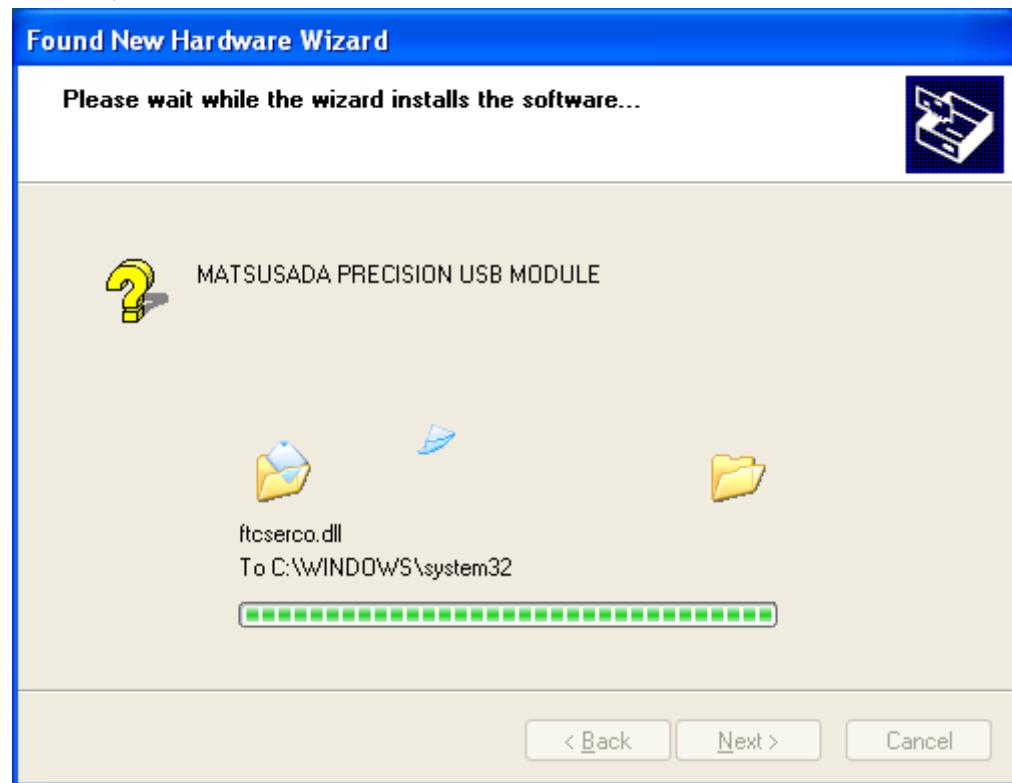
Select [MTPPORT.inf].



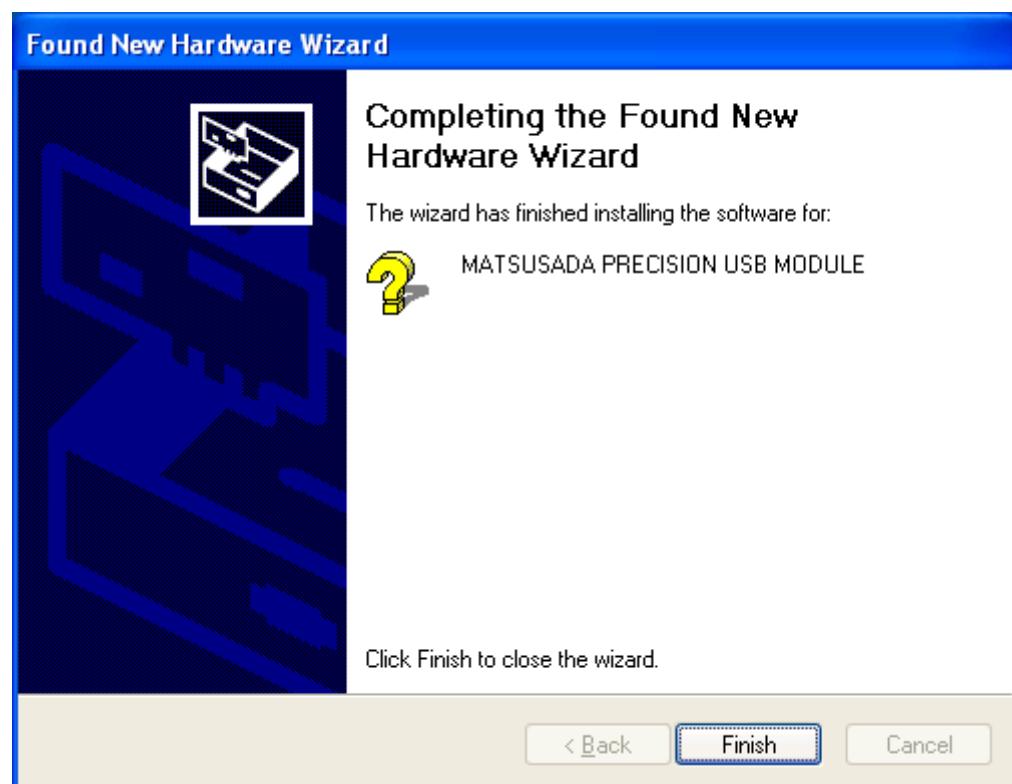
After <MATSUMADA PRECISION USB MODULE> detected, click <Next>.



Installing device driver

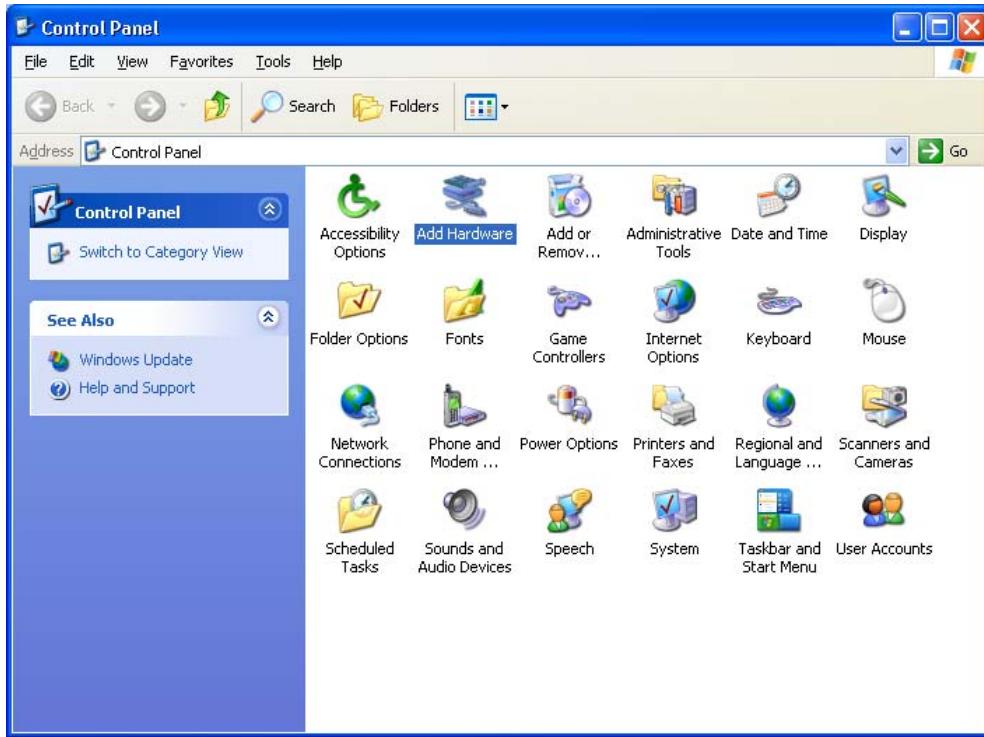


When the window shows, installation of virtual COM port of device driver is completing.
Click <Finish>.



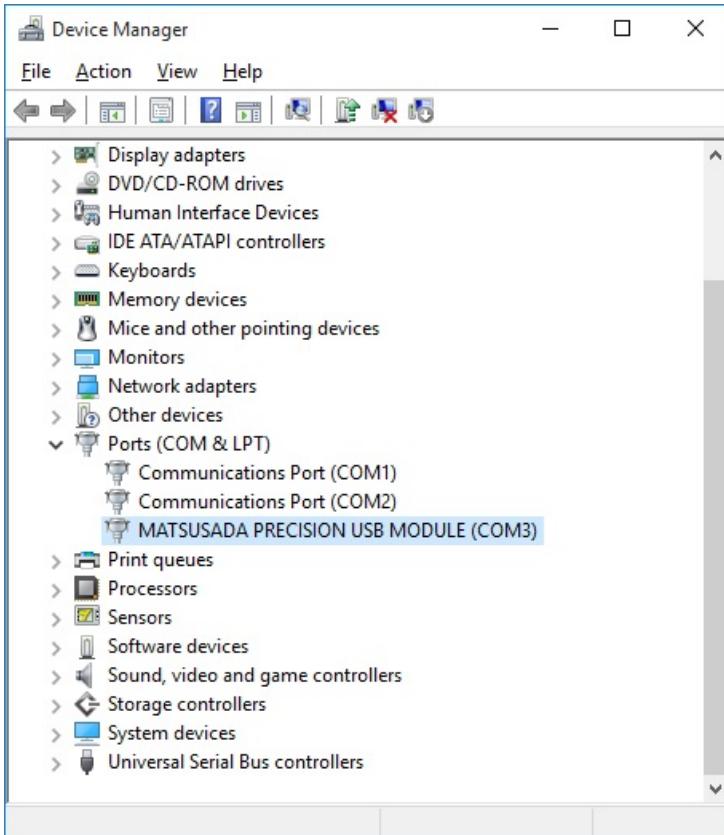
2-7 In case not able to install

Click < Add Hardware > in control panel to install the driver.



2-8 Confirmation of virtual COM port number

Confirm or change virtual COM port number from device manager



3. Sample programs

In sample programs folder, there is executable file of communication program of direct version.

The sample programs have the following types.

[Communication check program (Only executable file)]

- Matsusada_USB_Check.exe

[Sample program (Includes source code)]

- Matsusada_USB_Sample_Vb (VB project set)
- Matsusada_USB_Sample_Cs (VC# project set)
- Matsusada_USB_Sample_Cpp (VC++ project set)
(Confirmed operation by Visual Studio 2010)
- Matsusada_USB_Sample.vi (LabVIEW program)
(Confirmed operation by LabVIEW 2012 SP1)

Using these programs, it's possible to confirm the operation that send / receive the command of the USB devices by Matsusada Precision Inc. The products that are written commands in the manual of the USB device are possible to be confirmed the operation using these programs. On the other hand, **the products that are not written commands in the manual of the USB device are not possible to be confirmed the operation using these programs.** Since these products are supplied with the dedicated software, you can check the operation using it.

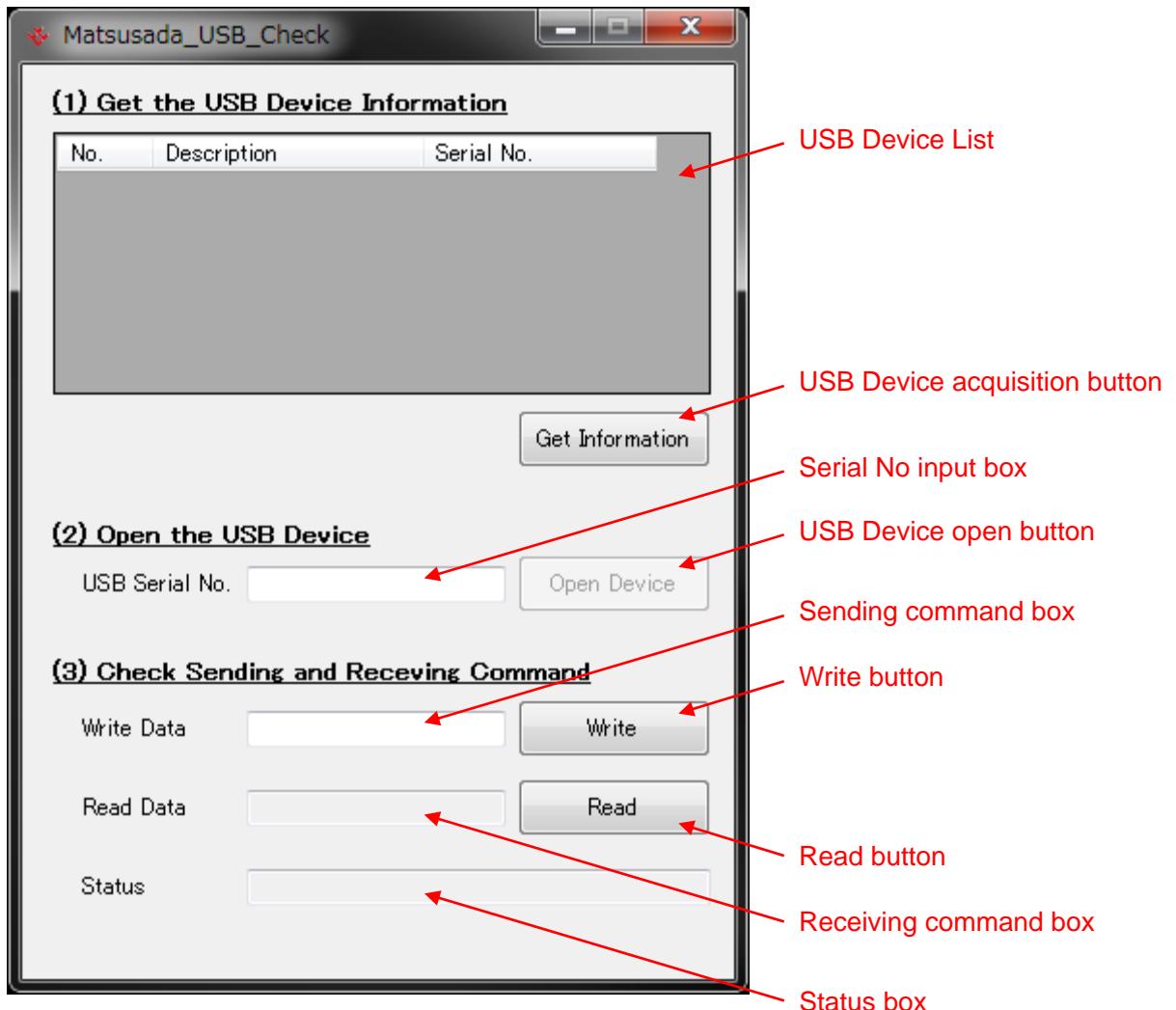
- (*) Regarding details of the functions, refer to the [D2XXPG34.pdf] programming guide on attached CD.
- (*) Note that the operation verification of these programs was done in the environment of our factory, and not to confirm the operation in any environment, and as such support on this program is not to be provided. Indemnification is not to be provided either for any damage caused by using or diverting this program.

3-1 Communication check program (Matsusada_USB_Check.exe)

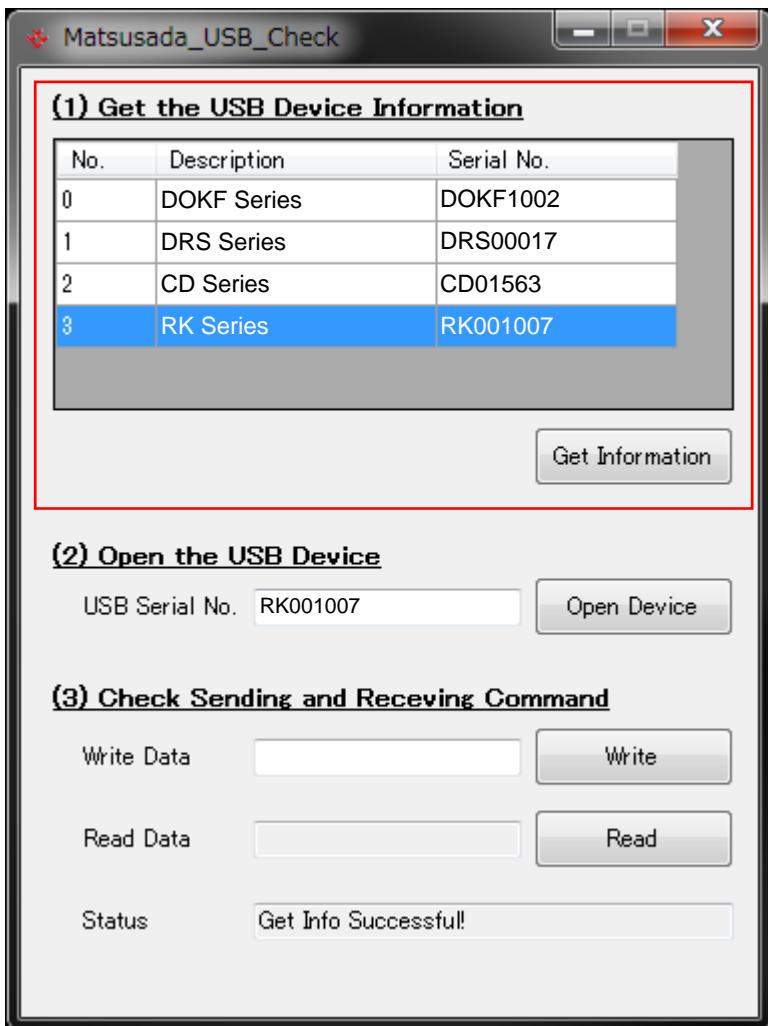
Windows shown below shall be open when execute the executable file.

You can use this program to verify the communication between Matsusada power supplies.

[Start-up]



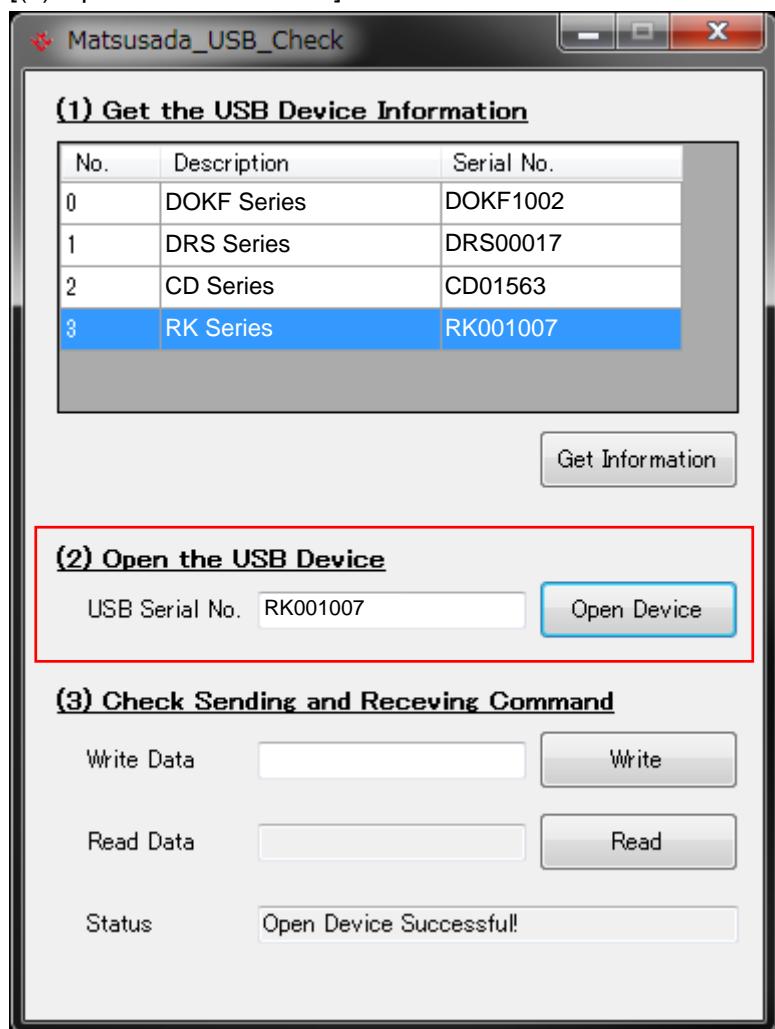
[(1) Get the USB Device information]



- [1] Connect the USB device to PC, boot it.
- [2] Click USB Device acquisition button.
- [3] The list of the USB devices connected to PC displayed.
(The products using the USB module made by FTDI Inc. are displayed to the list regardless of a product made by Matsusada Precision Inc.)
- [4] If successful in the list acquisition, the message of "Get Info Successful!" is displayed to Status box.
If it failed, the following message is displayed.

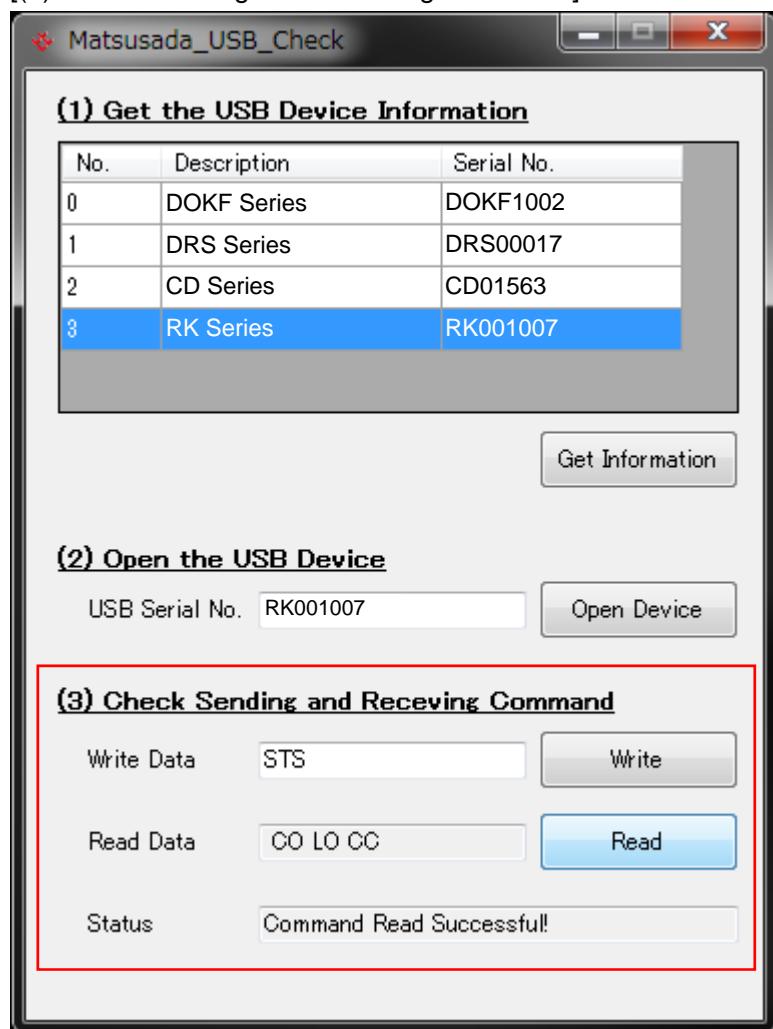
" Get Info Error! "	Failed to acquire the USB device list.
" No Device Detected! "	Not connected the USB device.
" Create Info Error! "	Failed to create the USB device list.

[(2) Open the USB Device]



- [1] Select the product to open from the USB device list.
The serial No of the selected product will be set to the Serial No input box.
(It is possible to input the serial No directly to this box.)
- [2] Click the USB Device open button.
- [3] If successful to open the USB device, the message of "Open Device Successful!" is displayed to Status box.
If it failed, the following message is displayed.
"Open Device Error!" Failed to open the USB device.

[**(3) Check Sending and Receiving Command**]

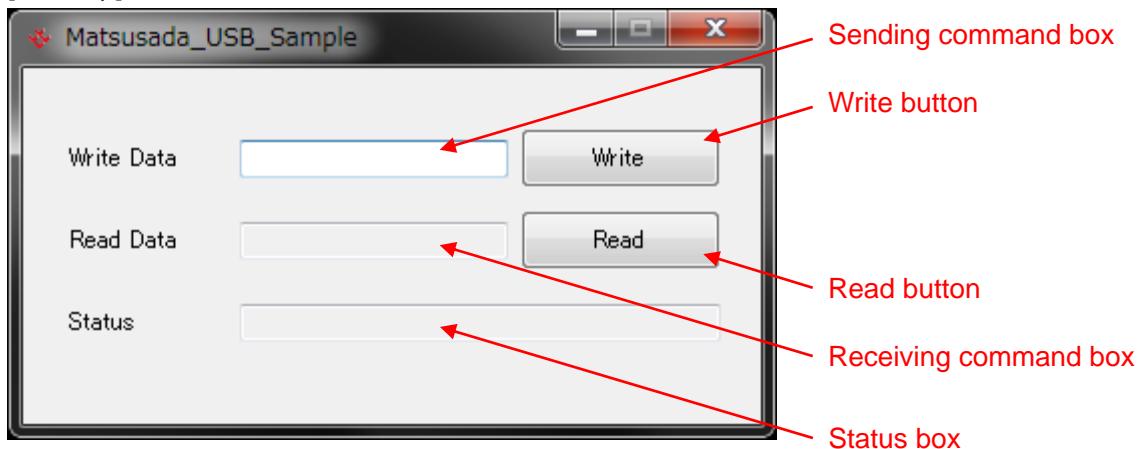


- [1] Set the command to sending command box.
- [2] Click the Write button.
(The above image shows “STS” command sent.)
- [3] If successful to send the command, the message of “Command Write Successful!” is displayed to Status box.
If it failed, the following message is displayed.
“Command Write Error!” Failed to send the command.
- [4] If the sending command has the return command, click the Read button.
(The above image shows “ CO LO CC” command receive.)
- [5] If successful to receive the command, the message of “Command Read Successful!” is displayed to Status box.
If it failed, the following message is displayed.
“Command Read Error!” Failed to receive the command.

3-2 Sample program (Visual Basic)

[Matsusada_USB_Sample_Vb] folder stores the project set of the sample program written by Visual Basic. (Confirmed operation by Visual Studio 2010)
You can use this program to verify the communication between Matsusada power supplies.

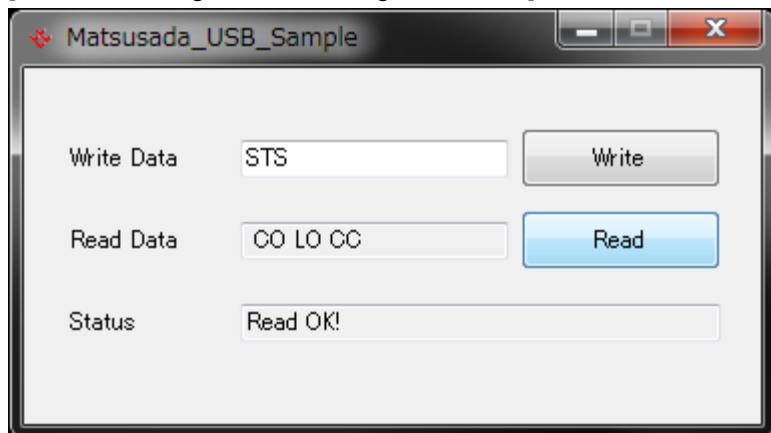
[Start-up]



In this source code, you have the device open on start-up. Therefore, you should start-up the software after connecting the USB device to PC and booting it.

This source code uses “FT_Open” function when the device is open. When some Matsusada Precision USB devices are connected on PC, it needs to configure USB serial No by using “FT_OpenEX” function. Its detail point is commented on the program source code.

[Check Sending and Receiving Command]



- [1] Set the command to sending command box.
- [2] Click the Write button.
(The above image shows "STS" command sent.)
- [3] If successful to send the command, the message of "Write OK!" is displayed to Status box.
If it failed, the following message is displayed.
"Write NG! " Failed to send the command.
- [4] If the sending command has the return command, click the Read button.
(The above image shows " CO LO CC" command receive.)
- [5] If successful to receive the command, the message of "Read OK!" is displayed to Status box.
If it failed, the following message is displayed.
"Read OK! " Failed to receive the command.

3-3 Sample program (Visual C#)

[Matsusada_USB_Sample_Vs] folder stores the project set of the sample program written by Visual C#. (Confirmed operation by Visual Studio 2010)

You can use this program to verify the communication between Matsusada power supplies.

(The image and the operation of the executable file is exactly the same as [3-2 Sample program (Visual Basic)])

3-4 Sample program (Visual C++)

[Matsusada_USB_Sample_Cpp] folder stores the project set of the sample program written by Visual C++. (Confirmed operation by Visual Studio 2010)

You can use this program to verify the communication between Matsusada power supplies.

(The image and the operation of the executable file is exactly the same as [3-2 Sample program (Visual Basic)])

3-5 Sample program (LabVIEW)

[Matsusada_USB_Sample.vi] is the sample program written by LabVIEW. (Confirmed operation by LabVIEW 2012 SP1)

You can use this program to verify the communication between Matsusada power supplies.

(The image and the operation of the executable file is exactly the same as [3-2 Sample program (Visual Basic)])

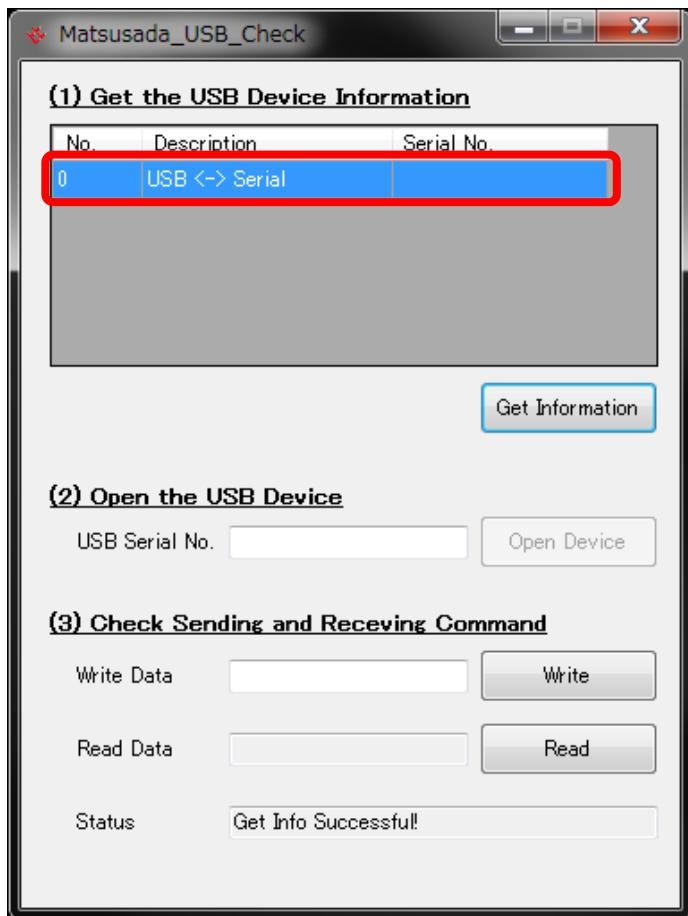


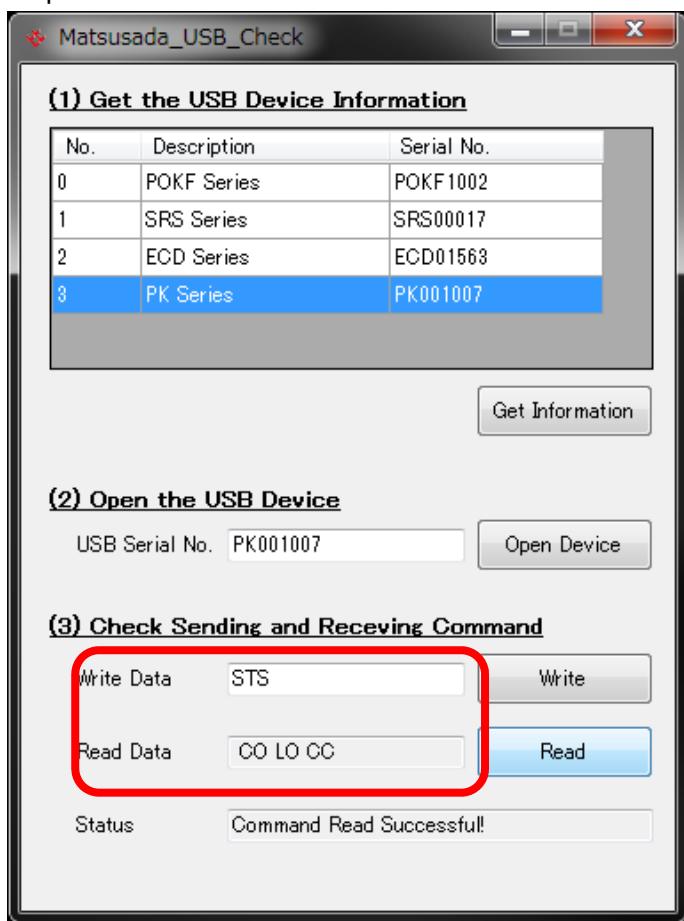
Troubleshooting

If you think that the product may have a failure, please stop the power supply to the product and check the following items.

It may not be a failure if any of the following apply. Check again before requesting for repair.

Failure	Items to be confirmed
[It does not start the installation of device drivers] [It cannot be selected for the virtual COM port.]	There is a possibility that another device driver is installed. Check the version of the driver at "Device Manager". The version of the device driver that is included in this CD is <u>“2.8.28.0”</u> In this case, you need remove the present driver completely; install the Device Driver once again.

Failure	Items to be confirmed
<p>[It cannot be communicated to the USB devices.]</p> <p>[It is not recognized the USB driver.]</p>	<p>Check "USB Device List" at the communication check program. When the display at "Device Manager" is "USB Serial Converter" or the display of "USB Device List" at the communication check program is "USB<-> Serial" or blank, there is a possibility that is not recognized the USB module made by Matsusada Precision Inc.</p> <p>Please contact our customer support.</p> 

Failure	Items to be confirmed												
<p>[It cannot be communicated to the USB devices by your original software.]</p>	<p>Please verify that there is an error with either “the Device Driver” or “your original software”.</p> <p>You can check that the driver is installed normally, if you can get the response of “STS” as status command at the communication check program.</p>  <p>The screenshot shows a window titled "Matsusada_USB_Check". It has three main sections:</p> <ul style="list-style-type: none"> (1) Get the USB Device Information: A table with columns "No.", "Description", and "Serial No.". The rows are: <table border="1"> <tr><td>0</td><td>POKF Series</td><td>POKF1002</td></tr> <tr><td>1</td><td>SRS Series</td><td>SRS00017</td></tr> <tr><td>2</td><td>ECD Series</td><td>ECD01563</td></tr> <tr><td>3</td><td>PK Series</td><td>PK001007</td></tr> </table> A "Get Information" button is below the table. (2) Open the USB Device: A section with "USB Serial No. PK001007" and an "Open Device" button. (3) Check Sending and Receiving Command: A section with "Write Data" set to "STS" and a "Read Data" input field containing "00 LO CC". A red box highlights the "Write" and "Read" buttons. Below it, the "Status" is shown as "Command Read Successful!". <p>Please check the following contents.</p> <p>[Case that you can get the response] There is a possibility that your original software has an error.</p> <ul style="list-style-type: none"> Is there an error in the communication setting of the baud rate, the character, the stop bit, etc.? Is there an error in the code of the opening function, the sending/receiving function, etc.? <p>[Case that you cannot get the response]</p> <ul style="list-style-type: none"> Is the USB cable connected correctly? Does your original software specify the USB device correctly? Is “!” or “x” displayed at “Device Manager”? <p>(In this case, you need install the Device Driver once again.)</p>	0	POKF Series	POKF1002	1	SRS Series	SRS00017	2	ECD Series	ECD01563	3	PK Series	PK001007
0	POKF Series	POKF1002											
1	SRS Series	SRS00017											
2	ECD Series	ECD01563											
3	PK Series	PK001007											



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